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WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

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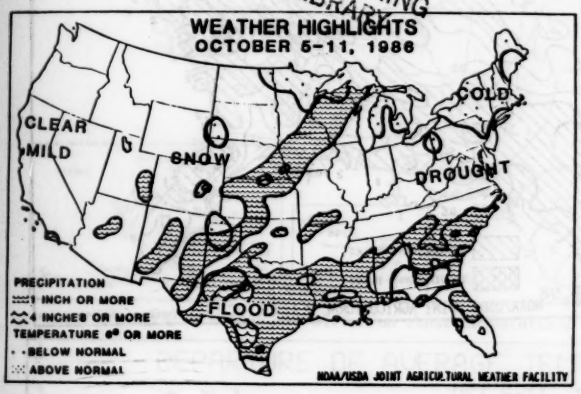
National Weather Summary

October 5 to 11, 1986



HIGHLIGHTS: Heavy rain from Texas to Wisconsin added to the continuing flooding in parts of the central United States. Rain relieved the drought in portions of the Southeast, but the mid-Atlantic Coast States remained dry. Temperatures dropped below freezing across the northern tier of States and in higher elevations. Mild dry weather persisted along the Pacific coast and the Southeast remained hot. The rest of the Nation was unseasonably cool.

SUNDAY...Showers and thunderstorms reached from Arizona to Louisiana. Heavy rain in Texas caused more severe flooding. Colder air moved into the north-central United States behind a storm system which brought rain and strong winds to the Great Lakes. Fair weather continued west of the Rockies and in much of the Southeast.

MONDAY...A storm system spread across the Northeast bringing showers, cooler temperatures, and gusty winds. Rain was widespread across the South from New Mexico to the Atlantic coast with the largest amounts in northeastern Florida. High pressure and clear skies dominated the weather over much of the rest of the Nation.

TUESDAY...High pressure systems that centered over Virginia and Utah brought sunny skies and mild weather to much of the country. Showers and thunderstorms fell in the southern Atlantic Coast States, eastern Texas, upper Mississippi Valley, and upper Great Lakes. Southern Florida remained hot with record-high temperatures.

WEDNESDAY...Cloudiness and rainfall increased as showers were scattered throughout the Great Plains, the Southeast, and the Great Lakes region. Skies remained mostly clear over the western third of the Nation. The Southeast continued warm, but cold air moved over the upper Great Lakes and into the northern Plains.

THURSDAY...The surge of cold air continued over the Great Lakes and into the north-central United States as temperatures dropped to freezing from North Dakota to upper Michigan. Thunderstorms were scattered from southern California to New Mexico with local flooding in Arizona. Showers were scattered in the Southeast, Northeast, and central Plains.

FRIDAY...The cold mass of high pressure shifted eastward and brought clear skies to the Northeast. Freezing temperatures stretched across the Great Lakes to New England. Another surge of cold air plunged over the Rockies as snow fell over Wyoming, northeastern Colorado, and the Nebraska Panhandle. Rain continued across the Southwest with locally heavy rainfall in New Mexico and Texas. Widespread precipitation fell in the Rockies, Great Plains, and the southern Atlantic Coast States.

SATURDAY...A strong storm system brought rain, snow, and low temperatures to the central United States. Temperatures dropped below freezing in the northern and southern Rockies and High Plains. Rainfall spread throughout the Mississippi Valley and continued over much of the Southwest and southern Atlantic Coast States. Heavy rains fell in southeastern Nebraska, Arkansas, and southeastern Texas. Clear skies and mild weather persisted over most of the west coast.

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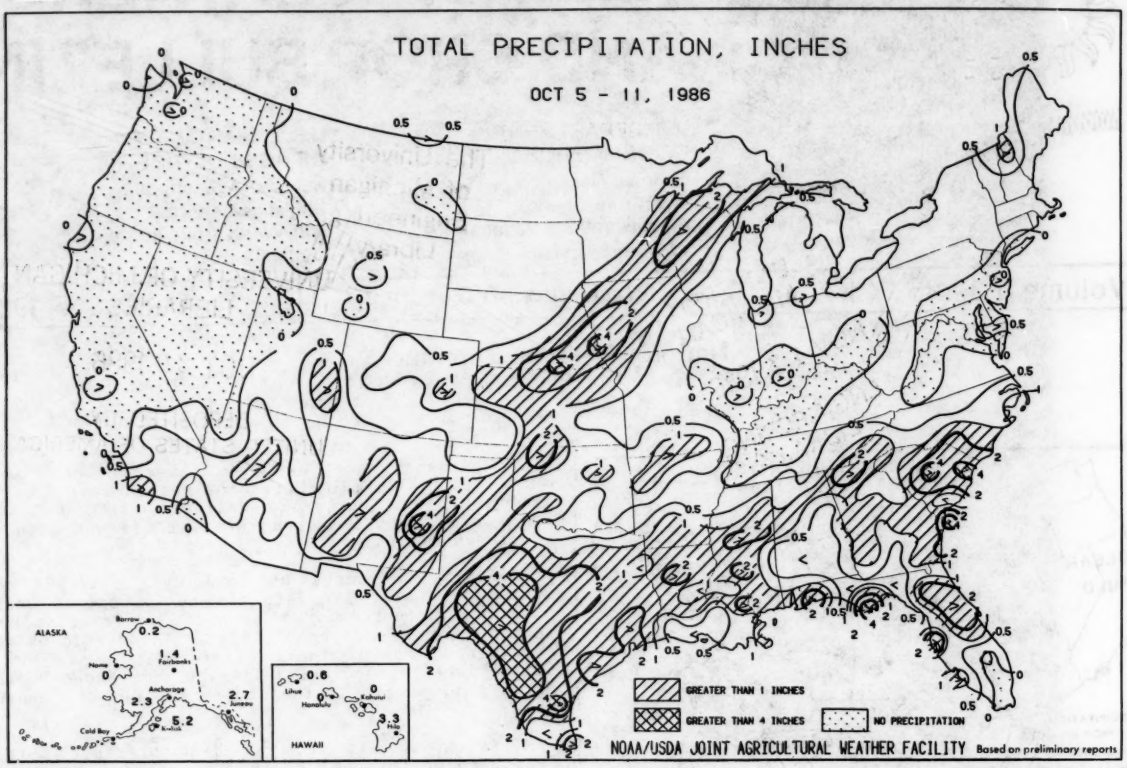
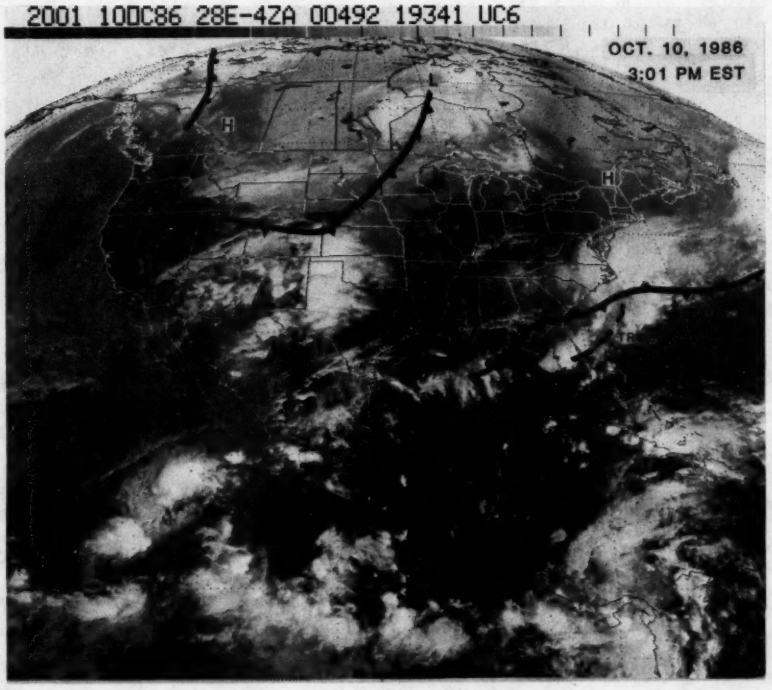
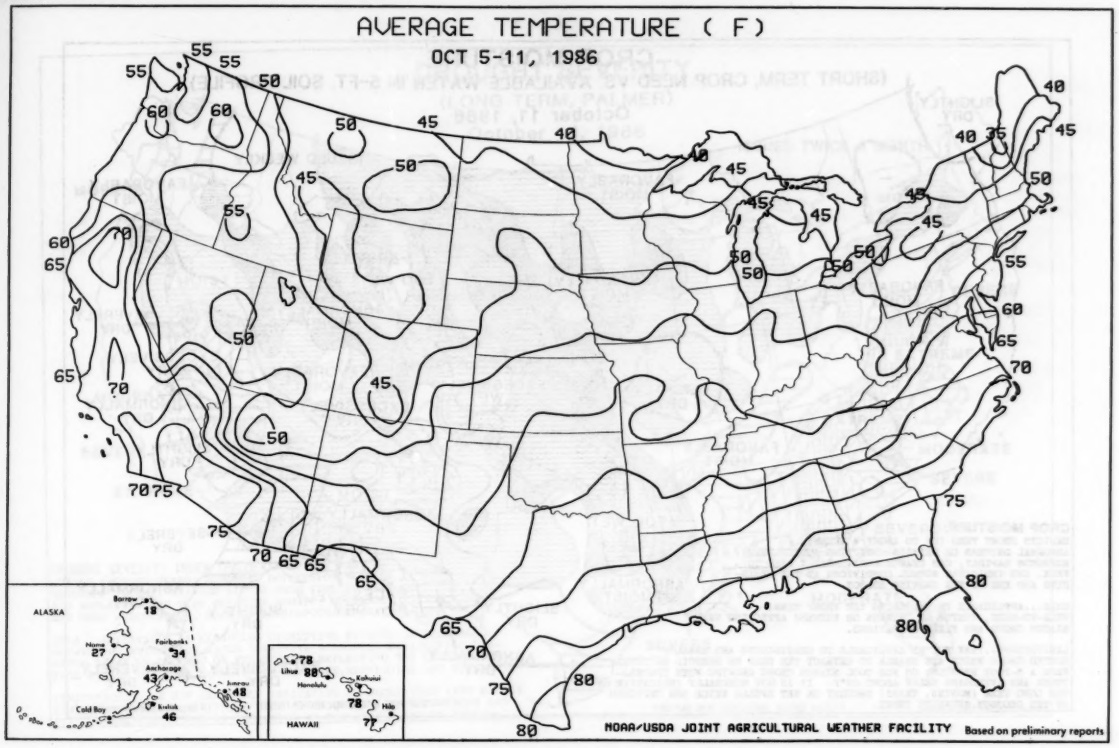


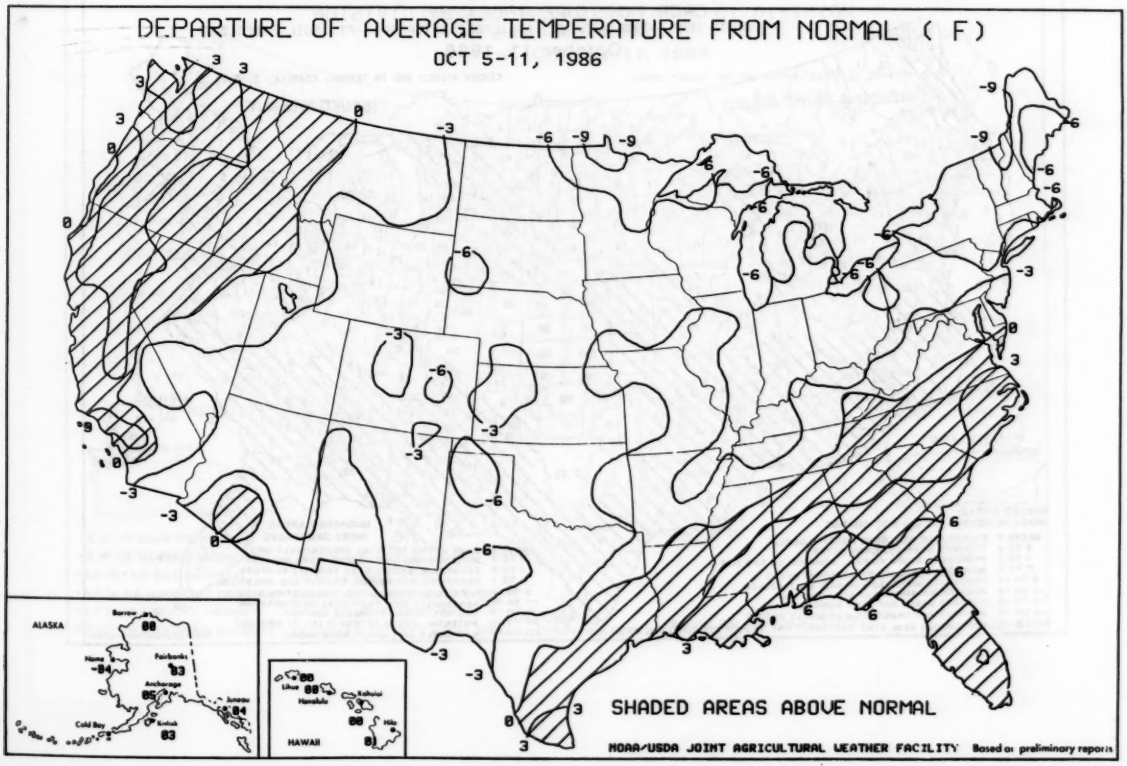


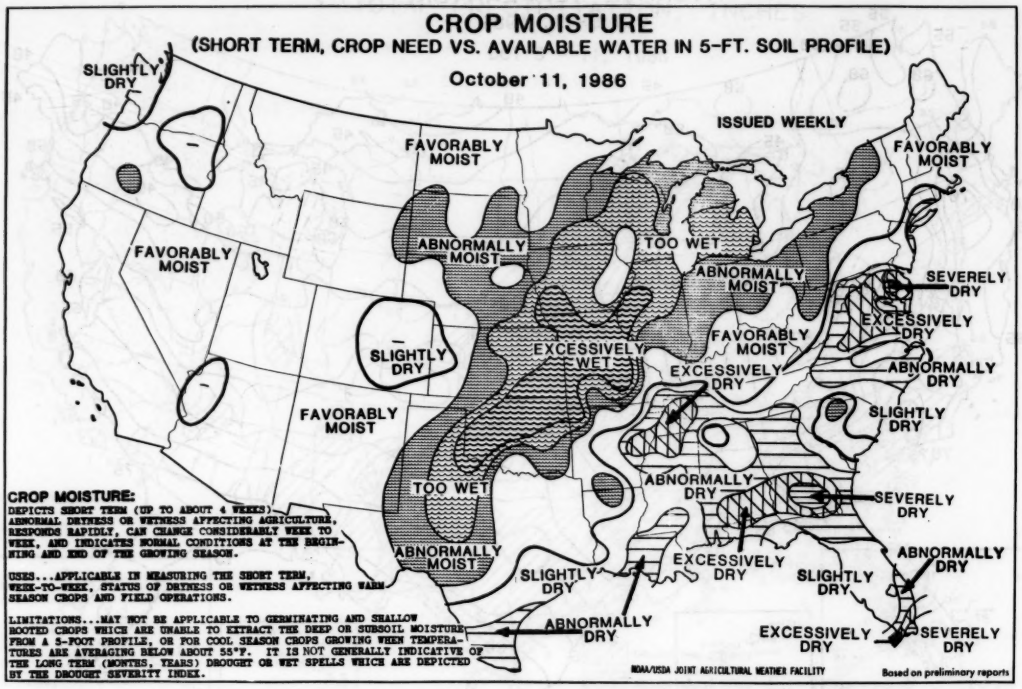
A HIGH CENTERED OVER SOUTHERN QUEBEC BRINGS LOWER TEMPERATURES TO THE NORTHEAST. ANOTHER HIGH PRESSURE SYSTEM IN ALBERTA CAUSES COLD AIR TO PLUNGE OVER THE ROCKIES.

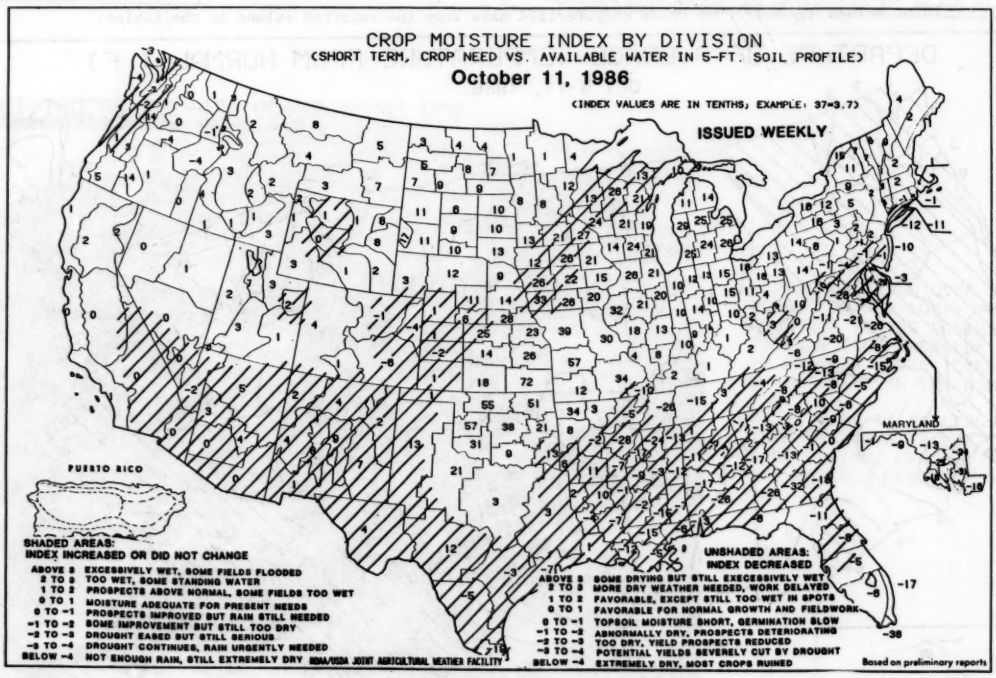
HEAVY RAIN IS FALLING FROM THUNDERSTORMS IN THE SOUTHERN HIGH PLAINS, CENTRAL FLORIDA, AND EASTERN CUBA.

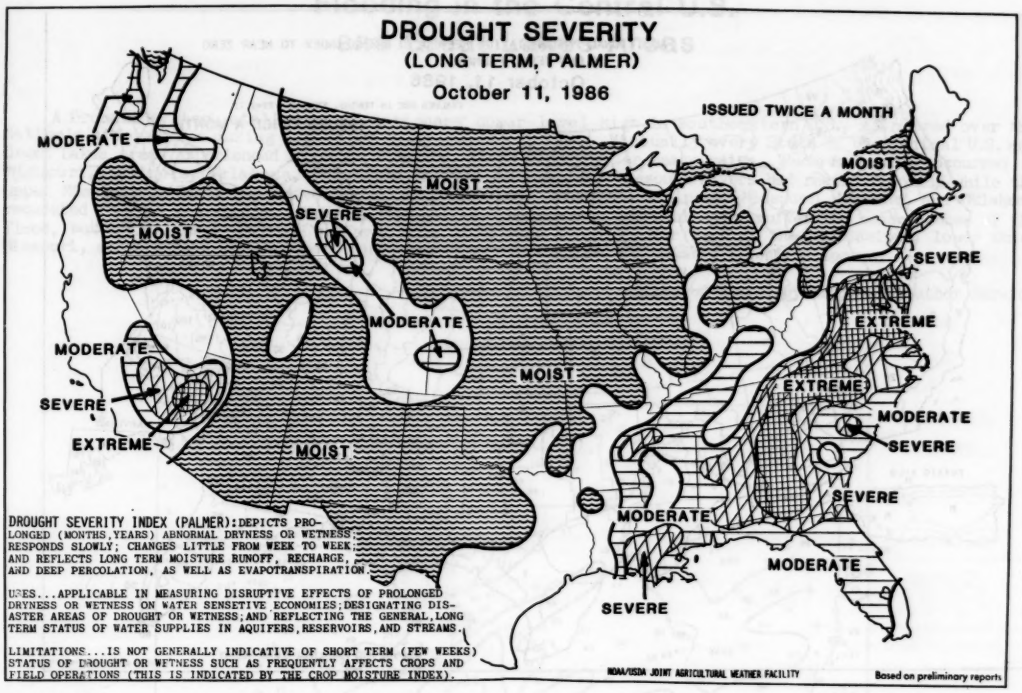


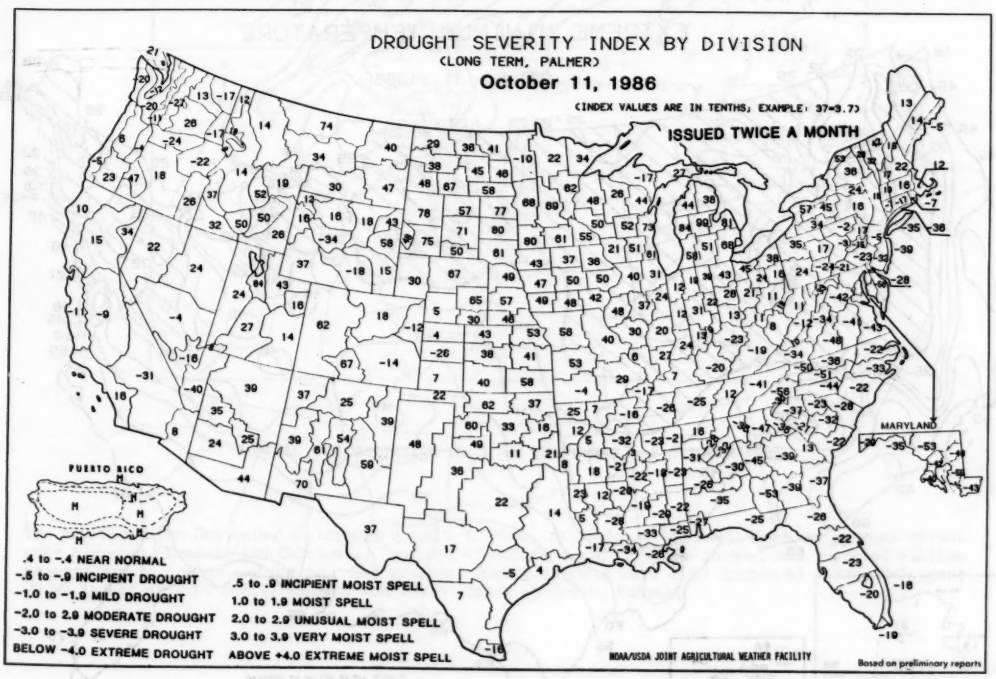
Point values may differ on these computerized maps from the reported values in the tables.

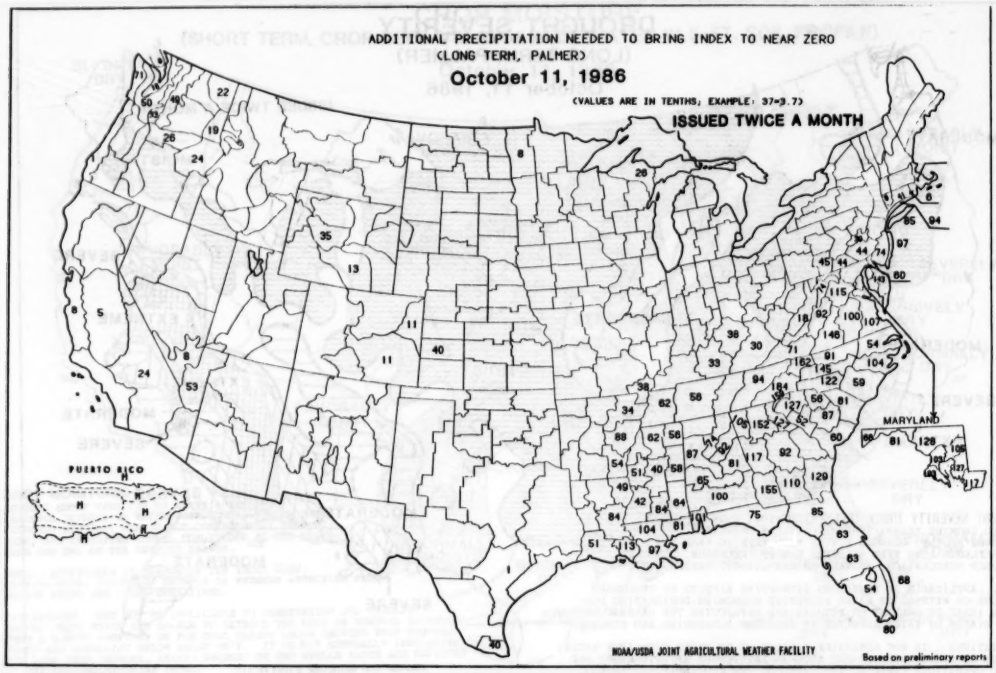

DEPARTURE OF AVERAGE TEMPERATURE FROM NORMAL (F)
OCT 5-11, 1986
SHADED AREAS ABOVE NORMAL
ALASKA
HAWAII
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

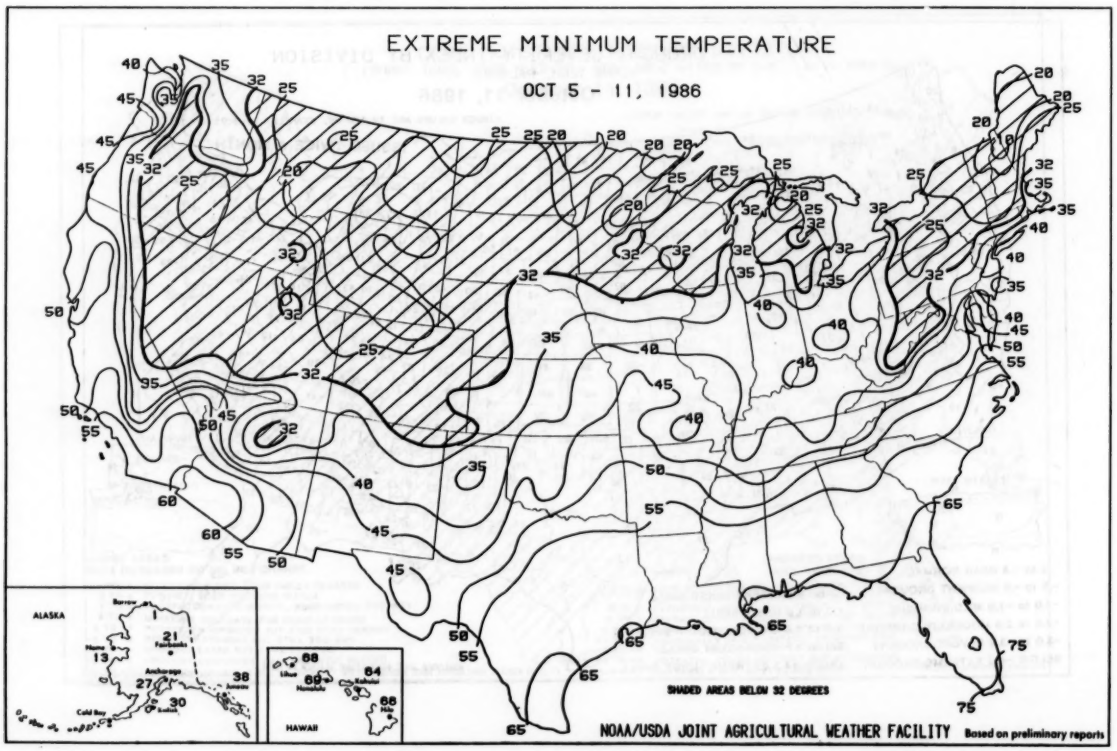

CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
October 11, 1986
ISSUED WEEKLY
SLIGHTLY DRY
FAVORABLY MOIST
ABNORMALLY MOIST
TOO WET
EXCESSIVELY WET
SEVERELY DRY
EXCESSIVELY DRY
ABNORMALLY DRY
CROP MOISTURE:
DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE, RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.
USES...APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK, STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.
LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


CROP MOISTURE INDEX BY DIVISION
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)
October 11, 1986
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
ISSUED WEEKLY
PUERTO RICO
MARYLAND
SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE
ABOVE 3 EXCESSIVELY WET, SOME FIELDS FLOODED
2 TO 3 TOO WET, SOME STANDING WATER
1 TO 2 PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 TO 1 MOISTURE ADEQUATE FOR PRESENT NEEDS
0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1 TO -2 SOME IMPROVEMENT BUT STILL TOO DRY
-2 TO -3 DROUGHT EASED BUT STILL SERIOUS
-3 TO -4 DROUGHT CONTINUES, RAIN URGENTLY NEEDED
BELOW -4 NOT ENOUGH RAIN, STILL EXTREMELY DRY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
UNSHADED AREAS:
INDEX DECREASED
ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
2 TO 3 MORE DRY WEATHER NEEDED, WORK DELAYED
1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 TO -1 TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1 TO -2 ABNORMALLY DRY, PROSPECTS DETERIORATING
-2 TO -3 TOO DRY, YIELD PROSPECTS REDUCED
-3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4 EXTREMELY DRY, MOST CROPS RUINED
Based on preliminary reports


DROUGHT SEVERITY
(LONG TERM, PALMER)
October 11, 1986
ISSUED TWICE A MONTH
MODERATE
MOIST
SEVERE
MOIST
MOIST
SEVERE
EXTREME
MODERATE
MOIST
MODERATE
SEVERE
EXTREME
MOIST
EXTREME
MODERATE
SEVERE
SEVERE
MODERATE
MODERATE
SEVERE
DROUGHT SEVERITY INDEX (PALMER): DEPICTS PROLONGED (MONTHS, YEARS) ABNORMAL DRYNESS OR WETNESS; RESPONDS SLOWLY; CHANGES LITTLE FROM WEEK TO WEEK; AND REFLECTS LONG TERM MOISTURE RUNOFF, RECHARGE, AND DEEP PERCOLATION, AS WELL AS EVAPOTRANSPIRATION.
USES...APPLICABLE IN MEASURING DISRUPTIVE EFFECTS OF PROLONGED DRYNESS OR WETNESS ON WATER SENSETIVE ECONOMIES; DESIGNATING DISASTER AREAS OF DROUGHT OR WETNESS; AND REFLECTING THE GENERAL, LONG TERM STATUS OF WATER SUPPLIES IN AQUIFERS, RESERVOIRS, AND STREAMS.
LIMITATIONS...IS NOT GENERALLY INDICATIVE OF SHORT TERM (FEW WEEKS) STATUS OF DROUGHT OR WETNESS SUCH AS FREQUENTLY AFFECTS CROPS AND FIELD OPERATIONS (THIS IS INDICATED BY THE CROP MOISTURE INDEX).
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


DROUGHT SEVERITY INDEX BY DIVISION
(LONG TERM, PALMER)
October 11, 1986
(INDEX VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
ISSUED TWICE A MONTH
MARYLAND
PUERTO RICO
.4 to -.4 NEAR NORMAL
-.5 to -.9 INCIPIENT DROUGHT
-1.0 to -1.9 MILD DROUGHT
-2.0 to 2.9 MODERATE DROUGHT
-3.0 to -3.9 SEVERE DROUGHT
BELOW -4.0 EXTREME DROUGHT
.5 to .9 INCIPIENT MOIST SPELL
1.0 to 1.9 MOIST SPELL
2.0 to 2.9 UNUSUAL MOIST SPELL
3.0 to 3.9 VERY MOIST SPELL
ABOVE +4.0 EXTREME MOIST SPELL
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

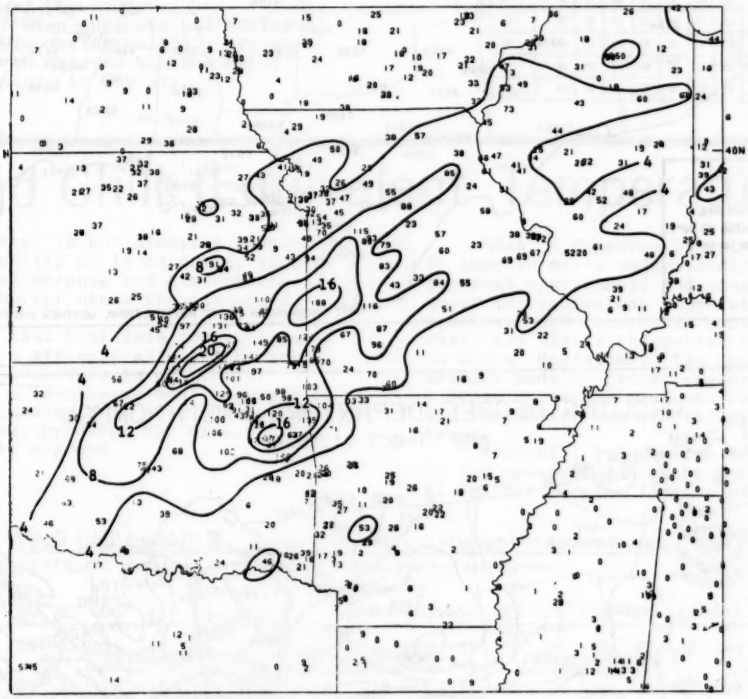

ADDITIONAL PRECIPITATION NEEDED TO BRING INDEX TO NEAR ZERO
(LONG TERM, PALMER)
October 11, 1986
(VALUES ARE IN TENTHS; EXAMPLE: 37=3.7)
ISSUED TWICE A MONTH
PUERTO RICO
MARYLAND
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


EXTREME MINIMUM TEMPERATURE
OCT 5 - 11, 1986
ALASKA
HAWAII
SHADED AREAS BELOW 32 DEGREES
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Flooding in the Central U.S. and Great Lakes Areas

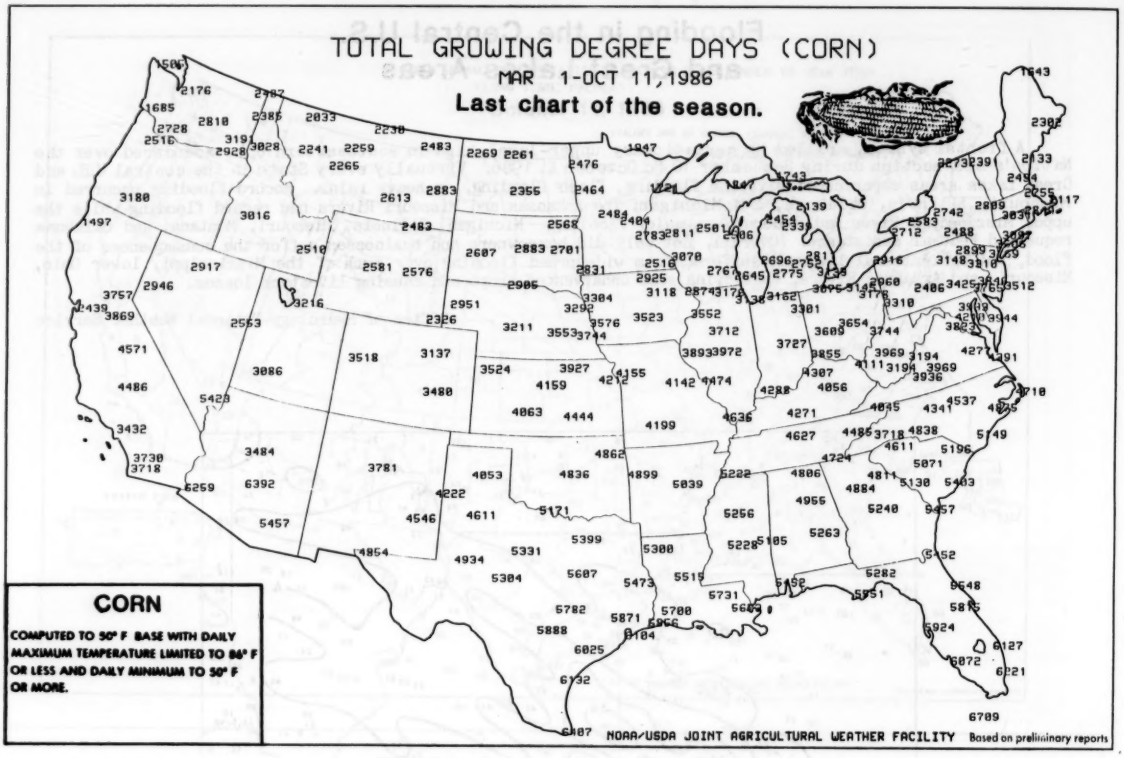
A frontal system, stalled by a stationary upper-level high in southeastern U.S., meandered over the Nation's mid-section during September 10 to October 4, 1986. Virtually every State in the central U.S. and Great Lakes areas experienced riverine flooding, flash flooding, or heavy rains. Record flooding occurred in Missouri, Illinois, Oklahoma, and Michigan. The Arkansas and Missouri Rivers had record flooding while the upper Mississippi River had moderate to major flooding. Michigan, Illinois, Missouri, Montana, and Oklahoma requested Federal assistance. Overall, not only did homeowners and businesses suffer the consequences of the flood, but agricultural lowlands suffered from widespread flooding over much of the Mississippi, lower Ohio, Missouri, and Arkansas Rivers, destroying some unharvested crops and causing livestock losses.

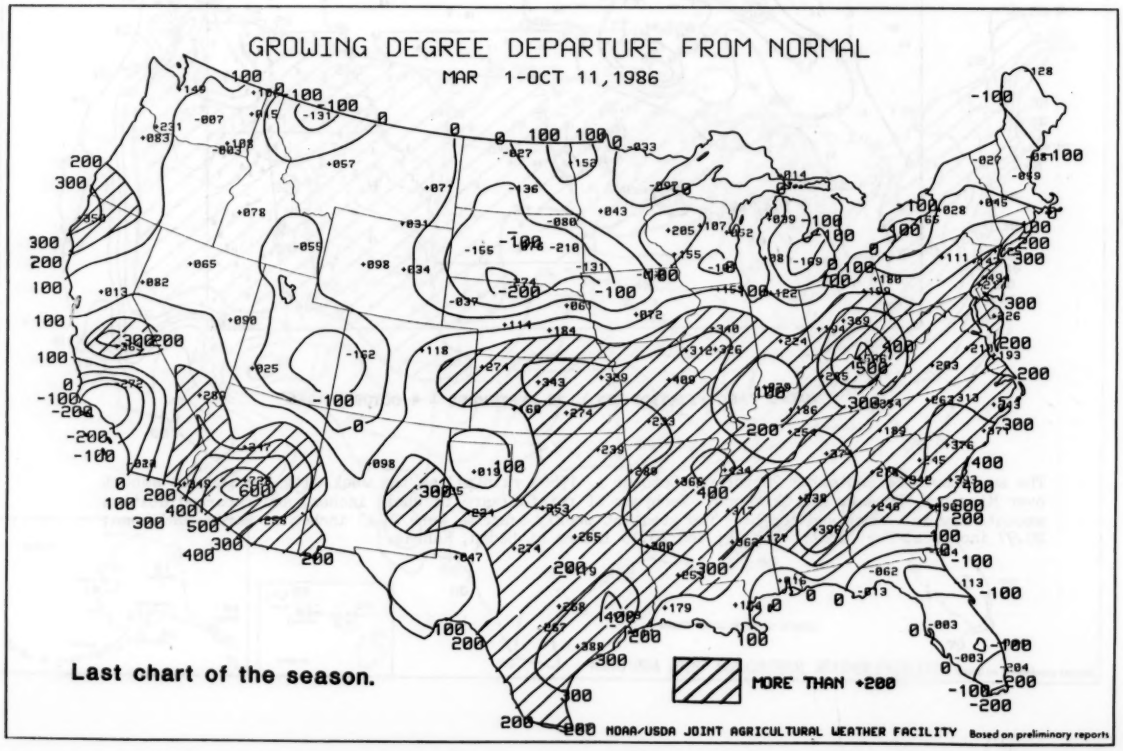
Office of Hydrology-National Weather Service



TOTAL PRECIPITATION (IN.), 28 SEPTEMBER - 4 OCTOBER 1986

The map shows the September 28 through October 4, 1986, rainfall as the week with the largest amount over Missouri, Kansas, and Oklahoma. Isohyets of rainfall are in whole inches, and reported station amounts are in inches and tenths. The greatest weekly amounts were 21.41 inches at Hardy, Oklahoma; 20.97 inches at Fort Scott, Kansas; and 20.15 inches at Sedan, Kansas.


TOTAL GROWING DEGREE DAYS (CORN)
MAR 1-OCT 11, 1986
Last chart of the season.
CORN
COMPUTED TO 50° F BASE WITH DAILY MAXIMUM TEMPERATURE LIMITED TO 86° F OR LESS AND DAILY MINIMUM TO 50° F OR MORE.
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports


GROWING DEGREE DEPARTURE FROM NORMAL
MAR 1-OCT 11, 1986
Last chart of the season.
MORE THAN +200
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary reports

Don't Overheat—Humidify

You can feel warmer and save energy and money by humidifying your home. NOAA is offering a guide to humidity with this advice.

It has prepared a table that shows the feeling of warmth obtainable at various combinations of temperatures and humidity.

The table was prepared by NOAA which notes that when cold, dry air puts a chill in the air, many people overheat to compensate.

NOAA however, recommends that you increase humidity by using humidifiers, vaporizers, steam generators or by simply placing large pans of water around the room.

It also suggests purchasing a simple device called a hygrometer to measure the amount of moisture in the air.

Apparent Temperatures for values of Room Temperature and Relative Humidity

ROOM TEMPERATURE (°F)	RELATIVE HUMIDITY (%)										
	0	10	20	30	40	50	60	70	80	90	100
75	68	69	71	72	74	75	76	76	77	78	79
74	66	68	69	71	72	73	74	75	76	77	78
73	65	67	68	70	71	72	73	74	75	76	77
72	64	65	67	68	70	71	72	73	74	75	76
71	63	64	66	67	68	70	71	72	73	74	75
70	63	64	65	66	67	68	69	70	71	72	73
69	62	63	64	65	66	67	68	69	70	71	72
68	61	62	63	64	65	66	67	68	69	70	71
67	60	61	62	63	64	65	66	67	68	68	69
66	59	60	61	62	63	64	65	66	67	67	68
65	59	60	61	61	62	63	64	65	65	66	67
64	58	59	60	60	61	62	63	64	64	65	66
63	57	58	59	59	60	61	62	62	63	64	64
62	56	57	58	58	59	60	61	61	62	63	63
61	56	57	57	58	59	59	60	60	61	61	62
60	55	56	56	57	58	58	59	59	60	60	61

Wind Chill (Equivalent Temperatures)

Your thermometer is not always a reliable indicator of how chilly it is outdoors, according to the National Oceanic and Atmospheric Administration. Better check the windspeed, too.

Studies show that heat loss from the surface of the body is strongly affected by both temperature and wind. This is windchill.

For example, a 15-mile-an-hour breeze with the thermometer standing at a cold but not unbearable 35 degrees, produces the effect of a bitter, freezing 17 degrees.

NOAA, a Commerce Department agency created to improve man's understanding and uses of the physical environment and oceanic life, has produced an "equivalent temperature" chart to demonstrate the remarkable cooling power of windchill and assist the public in "what-to-wear-outdoors" decisions. The chart is based on studies made by Arctic explorers and military experts and shows the combined effects of wind and temperature as equivalent calm-air temperatures.

Windchill information is included routinely in the messages issued by many of NOAA's National Weather Service forcast offices.

WIND CHILL TABLE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

INDICATES THE WIND CHILL INDEX (equivalent in cooling power on exposed flesh)

AIR TEMPERATURE °F

WIND SPEED (MILES/ HOUR)	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
4	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
			COLD		VERY COLD				BITTER COLD				EXTREME COLD				
5	32	27	22	16	11	6	0	-5	-10	-15	-21	-26	-31	-36	-42	-47	-52
10	22	16	10	3	-3	-9	-15	-22	-27	-34	-40	-46	-52	-58	-64	-71	-77
15	16	9	2	-5	-11	-18	-25	-31	-38	-45	-51	-58	-65	-72	-78	-85	-92
20	12	4	-3	-10	-17	-24	-31	-39	-46	-53	-60	-67	-74	-81	-88	-95	-103
25	8	1	-7	-15	-22	-29	-36	-44	-51	-59	-66	-74	-81	-88	-96	-103	-110
30	6	-2	-10	-18	-25	-33	-41	-49	-56	-64	-71	-79	-86	-93	-101	-109	-116
35	4	-4	-12	-20	-27	-35	-43	-52	-58	-67	-74	-82	-89	-97	-105	-113	-120
40	3	-5	-13	-21	-29	-37	-45	-53	-60	-69	-76	-84	-92	-100	-107	-115	-123
45*	2	-6	-14	-22	-30	-38	-46	-54	-62	-70	-78	-85	-93	-102	-109	-117	-125

*Wind speeds greater than 40 MPH have little additional cooling effect.

EXAMPLE - A 30 MPH wind, combined with a temperature of 30 degrees F.(-1 degree Celsius), can have the same chilling effect as a temperature of -2 degrees F.(-19 degrees Celsius), when it is calm.

Cooling Degree Day Data Weekly Summary

CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 10-11-1986
ACCUMULATIONS ARE FROM JANUARY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE CITY	CALL	WEEK TOTAL	WEEK DEV FROM NORM	WEEK DEV FROM L YR	CUM TOTAL	CUM DEV FROM NORM	CUM DEV FROM L YR	CUM DEV FROM NORM PRCT	CUM DEV FROM L YR PRCT
AL BIRMINGHAM	BHM	22	-3	8	2092	227	372	12	22
AL MOBILE	MOB	64	16	36	2541	36	253	1	11
AL MONTGOMERY	MGM	67	35	44	2482	260	278	12	13
AK ANCHORAGE	ANC	0	0	0	4	4	3	**	**
AK BARROW	BRW	0	0	0	0	0	0	**	**
AK FAIRBANKS	FAI	0	0	0	121	65	85	**	**
AK JUNEAU	JNU	0	0	0	1	1	1	**	**
AK KODIAK	ADQ	0	0	0	3	3	3	**	**
AK NOME	OME	0	0	0	4	4	-9	**	**
AZ FLAGSTAFF	FLG	0	0	0	89	-37	-90	-29	-50
AZ PHOENIX	PHX	92	9	11	4435	854	92	24	2
AZ PRESCOTT	PRC	0	0	-3	855	249	-41	41	-5
AZ TUCSON	TUS	54	-6	-4	3119	391	133	14	4
AZ WINSLOW	INW	0	-5	0	1118	-70	-31	-6	-3
AZ YUMA	YUM	93	-11	17	4356	369	45	9	2
AR FORT SMITH	FSM	13	-10	-9	2117	174	160	9	8
AR LITTLE ROCK	LRI	6	-19	-26	2235	216	280	11	14
CA BAKERSFIELD	BFL	47	2	15	1940	-340	-78	-15	-4
CA EUREKA	EKA	0	0	0	0	0	-16	**	**
CA FRESNO	FAT	51	23	23	2122	387	-98	22	-4
CA LOS ANGELES	LAX	24	-2	-4	444	-178	-176	-28	-28
CA RED BLUFF	RBL	37	6	23	1704	-188	-214	-10	-11
CA SACRAMENTO	SAC	32	14	16	1088	-94	-108	-8	-9
CA SAN DIEGO	SAN	12	-16	-18	625	-148	-347	-19	-36
CA SAN FRANCISCO	SFO	4	0	-1	42	-53	-116	**	**
CA STOCKTON	SCK	31	7	15	1153	-273	42	-19	4
CO DENVER	DEN	0	-4	0	723	43	-2	6	0
CO GRAND JUNCTION	GJT	0	-6	0	1099	-105	-58	-9	-5
CO PUEBLO	PUB	0	-4	-1	895	-146	-113	-14	-11
CT BRIDGEPORT	BDR	1	-3	-3	739	-7	-5	-1	-1
CT HARTFORD	BDL	0	0	-1	656	-10	97	-2	17
DE WILMINGTON	ILG	2	-2	1	1171	159	-1	16	0
DC WASHINGTON	DCA	11	1	5	1616	188	124	13	8
FL APALACHICOLA	AQQ	102	48	54	2608	159	236	6	10
FL DAYTONA BEACH	DAB	101	28	26	2582	-28	-171	-1	-
FL FORT MEYER	FMY	125	32	10	3413	188	-179	6	-5
FL JACKSONVILLE	JAX	98	49	50	2660	292	113	12	4
FL KEY WEST	EYW	132	20	12	3878	-65	-137	-2	-3
FL MIAMI	MIA	125	25	15	3397	-69	-17	-2	0
FL ORLANDO	MCO	112	29	25	3024	-20	-4	-1	0
FL TALLAHASSEE	TLH	93	48	49	2486	104	37	4	2
FL TAMPA	TPA	112	31	31	3080	92	-200	3	-6
FL WEST PALM BEACH	PBI	120	24	13	3287	71	4	2	0
GA ATLANTA	ATL	26	8	8	2122	467	364	28	21
GA AUGUSTA	AGS	46	23	20	2433	520	178	27	8
GA MACON	MCN	59	29	38	2578	399	368	18	17
GA SAVANNAH	SAV	82	42	48	2814	596	320	27	13
HI HILO-HAWAII	ITO	85	10	19	3040	598	842	24	38
HI HONOLULU-OAHU	HNL	110	5	-9	3905	428	319	12	9
HI KAHULUI-MAUI	OGG	90	-1	-1	3194	166	478	5	18
HI LIHUE-KAUAI	LIH	91	0	-7	3294	328	141	11	4
ID BOISE	BOI	0	0	0	912	170	179	23	24
ID LEWISTON	LWS	0	0	0	902	160	91	22	11
ID POCATELLO	PIH	0	0	0	431	-14	6	-3	1
IL CHICAGO	ORD	0	-5	0	759	22	87	3	13
IL MOLINE	MLI	0	-6	0	986	91	64	10	7
IL PEORIA	PIA	0	-7	0	1063	121	187	13	21
IL QUINCY	UIN	0	-7	0	1187	75	212	7	22
IL ROCKFORD	RFD	0	-4	0	739	31	64	4	9
IL SPRINGFIELD	SPI	0	-10	-6	1283	126	273	11	27
IN EVANSVILLE	EVV	0	-9	-14	1574	190	173	14	12
IN FORT WAYNE	FWA	0	-7	-1	816	31	-109	4	-12
IN INDIANAPOLIS	IND	0	-7	-4	1117	130	163	13	17
IN SOUTH BEND	SBN	0	-5	-1	756	48	-23	7	-3
IA DES MOINES	DSM	0	-7	0	1004	-4	-1	0	0
IA DUBUQUE	DBQ	0	-4	0	572	-11	-32	-2	-5
IA SIOUX CITY	SUX	0	-6	0	850	-91	29	-10	4
IA WATERLOO	ALO	0	-4	0	710	-4	-17	7	-2
KS CONCORDIA	CNK	1	-7	1	1291	-45	110	-3	9
KS DODGE CITY	DDC	1	-10	-5	1433	-37	-70	-3	-5
KS GOODLAND	GLD	0	-4	-3	1009	70	-1	7	0
KS TOPEKA	TOP	0	-11	0	1488	112	233	8	19
KS WICHITA	ICT	0	-14	-1	1776	93	153	6	9
KY BOWLING GREEN	BWG	1	-8	-7	1494	59	251	4	20
KY LEXINGTON	LEX	0	-10	-12	1357	179	337	15	33
KY LOUISVILLE	SDF	0	-9	-14	1580	231	296	17	23
LA ALEXANDRIA	AEX	46	4	7	2609	174	268	7	11
LA BATON ROUGE	BTR	71	25	32	2869	391	457	16	19
LA LAKE CHARLES	LCH	68	16	26	2797	273	193	11	7
LA NEW ORLEANS	MSY	89	40	54	2777	217	371	8	15
LA SHREVEPORT	SHV	28	-12	-8	2457	80	16	3	1
ME CARIBOU	CAR	0	0	0	81	-66	-58	-45	-42
ME PORTLAND	PWM	0	0	0	231	-23	-80	-9	-26
MD BALTIMORE	BWI	7	2	5	1371	232	212	20	18
MD SALISBURY	SBY	10	5	10	1324	252	140	24	12
MA BOSTON	BOS	0	-7	-2	618	-79	-28	-11	-4
MA CHATHAM	CHH	0	0	0	244	-12	1	-5	0
MI ALPENA	APN	0	0	0	236	-50	20	28	10
MI DETROIT	DTW	0	-4	0	757	144	218	23	40
MI FLINT	FNT	0	-4	0	518	62	48	14	10
MI GRAND RAPIDS	GRR	0	-3	0	499	-70	-25	-12	-5
MI HOUGHTON LAKE	HTL	0	-4	0	314	13	39	4	14
MI LANSING	LAN	0	-4	0	489	-42	-18	-8	-4
MI MARQUETTE	MQT	0	0	0	172	20	52	13	43
MI MUSKEGON	MKG	0	-4	0	465	12	35	3	8
MI SAULT ST MARIE	SSM	0	0	0	92	-48	18	-34	24
MN ALEXANDRIA	AXN	0	0	0	501	39	173	8	53
MN DULUTH	DLH	0	0	0	131	-19	29	-13	28
MN INT'L FALLS	INL	0	0	0	202	-13	139	-6	221
MN MINNEAPOLIS	MSP	0	-4	0	426	-33	-10	-5	-2
MN ROCHESTER	RST	0	-4	0	416	-68	-45	-14	-10
MN SAINT CLOUD	STC	0	0	0	405	8	63	2	18
MS GREENWOOD	GWO	21	-11	-4	2490	295	340	13	16
MS JACKSON	JAN	44	11	27	2455	213	359	10	17
MS MERIDIAN	MEI	40	10	24	2298	178	189	8	9
MO CAPE GIRARDEAU	CGI	0	-14	-18	1890	302	332	19	21
MO COLUMBIA	COU	0	-11	-5	1402	139	354	11	34
MO KANSAS CITY	MCI	0	-8	0	1424	95	363	7	34
MO SAINT LOUIS	STL	0	-14	-11	1803	344	359	24	25
MO SPRINGFIELD	SGF	0	-13	-9	1519	141	122	10	9
MT BILLINGS	BIL	0	0	0	525	-28	-39	-5	-7
MT GLASGOW	GGW	0	0	0	507	46	118	10	30
MT GREAT FALLS	GTF	0	-3	0	338	-50	-59	-13	-15
MT HAVRE	HVR	0	0	0	295	-123	-94	-29	-24
MT HELENA	HLN	0	0	0	295	0	-138	0	-32
MT KALISPELL	FCA	0	0	0	224	54	71	32	46
MT MILES CITY	MLS	0	0	0	774	-3	56	0	8
MT MISSOULA	MSO	0	0	0	315	95	-96	43	-23
NE GRAND ISLAND	GRI	1	-3	1	1041	13	103	1	11
NE LINCOLN	LNK	0	-4	0	1175	56	198	5	20
NE NORFOLK	OFK	0	-4	0	871	-62	48	-7	6
NE NORTH PLATTE	LBF	0	0	0	806	34	44	4	6
NE OMAHA	ONA	0	-7	0	1047	-117	93	-10	10
NE SCOTTSBLUFF	BFF	0	0	0	622	-106	-147	-15	-21
NE VALENTINE	VTN	0	-4	0	697	-64	-84	-8	-11
NV ELY	ELY	0	0	0	231	39	-5	20	-2
NV LAS VEGAS	LAS	29	-17	-6	3167	201	-62	7	-2
NV RENO	RNO	0	0	0	617	262	44	74	8
NV WINNEMUCCA	WMC	0	0	0	661	154	71	30	12
NH CONCORD	CON	0	0	0	320	-29	-27	-8	-8
NJ ATLANTIC CITY	ACY	1	1	0	1006	211	210	**	9
NM ALBUQUERQUE	ABQ	0	-2	0	1044	-188	-129	-15	-11
NM CLOVIS	CVS	2	-5	-4	1470	286	268	24	22
NM ROSWELL	ROW	0	-16	-13	1690	-158	-44	-9	-3
NY ALBANY	ALB	0	0	-1	504	10	49	2	11
NY BINGHAMTON	BGM	0	0	0	351	25	-26	8	-7
NY BUFFALO	BUF	0	0	0	475	-4	-9	-1	-2
NY NEW YORK	LGA	0	-5	-5	1089	40	-54	4	-5
NY ROCHESTER	ROC	0	0	0	381	-150	-60	-28	-14
NY SYRACUSE	SYR	0	0	0	452	-55	-2	-11	0
NC ASHEVILLE	AVL	6	4	6	974	132	238	16	32
NC CAPE HATTERAS	HAT	47	22	-2	1797	267	-66	17	-4
NC CHARLOTTE	CLT	22	8	10	2101	547	605	35	40
NC GREENSBORO	GSO	13	5	9	1600	287	395	22	33
NC NEW BERN	EWN	37	12	5	1998	235	-114	13	-5
NC RALEIGH DURHAM	RDU	24	14	13	1791	393	412	28	30
NC WILMINGTON	ILM	42	16	2	2281	401	93	21	4
ND BISMARCK	BIS	0	0	0	375	-99	74	-21	25
ND FARGO	FAR	0	0	0	477	-1	196	0	70
ND GRAND FORKS	GFK	0	0	0	455	37	231	9	103
ND WILLISTON	ISN	0	0	0	327	-115	-12	-26	-4
OH AKRON-CANTON	CAK	0	-3	0	722	98	155	16	27
OH CLEVELAND	CLE	0	-3	-2	739	125	172	20	30
OH COLUMBUS	CMH	0	-5	-3	1053	196	272	23	35
OH CINCINNATI	CVG	0	-7	-6	1212	177	178	17	17
OH DAYTON	DAY	0	-7	-5	1013	71	226	8	29
OH TOLEDO	TOL	0	-4	0	665	46	11	7	2
OH YOUNGSTOWN	YNG	0	0	0	568	86	113	18	25
OK OKLAHOMA CITY	OKC	6	-16	-2	2120	227	225	12	12
OK TULSA	TUL	3	-23	-10	2108	92	71	5	3
OR ASTORIA	AST	0	0	0	8	-13	-13	**	**
OR BURNS	4BW	8	8	8	454	102	171	29	60
OR MEDFORD	MFR	0	0	-2	931	282	191	43	26
OR PENDLETON	PDT	1	1	1	779	54	131	7	20
OR PORTLAND	PDX	0	0	0	472	150	-44	47	-9
OR SALEM	SLE	0	0	0	315	79	29	33	10
PA ALLENTOWN	ABE	0	0	0	819	70	29	9	4
PA ERIE	ERI	0	-4	0	616	220	15	56	2
PA HARRISBURG	CXY	0	-4	-1	932	-70	-29	-7	-3
PA PHILADELPHIA	PHL	1	-4	-1	1287	213	266	20	26
PA PITTSBURGH	PIT	0	-1	0	787	144	204	22	35
PA SCRANTON	AVP	0	0	0	552	-7	54	-1	11
RI PROVIDENCE	PVD	0	0	-3	572	1	-72	0	-11
SC CHARLESTON	CHS	58	25	14	2619	598	299	30	13
SC COLUMBIA	CAE	33	8	10	2430	418	493	21	25
SC FLORENCE	FLO	41	16	14	2420	452	472	23	24
SC GREENVILLE	GSP	16	3	8	1863	358	428	24	30
SD ABERDEEN	ABR	0	0	0	508	-84	-18	-14	-3
SD HURON	HON	0	-4	0	571	-170	8	-23	1
SD RAPID CITY	RAP	0	-4	0	498	-169	-151	-25	-23
SD SIOUX FALLS	FSD	0	-4	0	636	-116	96	-15	18
TN CHATTANOOGA	CHA	7	-9	-1	1937	359	500	23	35
TN KNOXVILLE	TYS	4	-8	1	1728	278	537	19	45
TN MEMPHIS	MEM	14	-10	-15	2477	441	352	22	17
TN NASHVILLE	BNA	2	-16	-12	1861	210	220	13	13
TX ABILENE	ABI	9	-28	-27	2508	109	162	5	7
TX AMARILLO	AMA	0	-14	-6	1335	-82	-323	-6	-19
TX AUSTIN	AUS	40	-14	-23	3032	249	161	9	6
TX BROWNSVILLE	BRO	123	37	33	3722	334	234	10	7
TX CORPUS CHRISTI	CRP	95	15	17	3254	-8	295	0	10
TX DEL RIO	DRT	39	-23	-19	3154	18	267	1	9
TX EL PASO	ELP	15	-5	-3	2023	-56	81	-3	4
TX FORT WORTH	DFW	16	-28	-23	2445	-114	-31	-4	-1
TX GALVESTON	GLS	77	6	14	2973	244	315	9	12
TX HOUSTON	IAH	58	7	8	3062	467	321	18	12
TX LUBBOCK	LBB	2	-11	-10	1787	126	-41	8	-2
TX MIDLAND ODESSA	MAF	4	-21	-25	2077	-17	-196	-1	-9
TX BEAUMONT	BPT	68	12	21	2937	263	168	10	6
TX SAN ANGELO	SJT	10	-29	-34	2478	-43	87	-2	4
TX SAN ANTONIO	SAT	53	-6	-10	3133	287	339	10	12
TX VICTORIA	VCT	70	4	5	3186	224	87	8	3
TX WACO	ACT	30	-19	-20	2971	173	94	6	3
TX WICHITA FALLS	SPS	12	-23	-16	2482	30	176	1	8
UT BLANDING	4BL	0	0	0	655	33	-49	5	-7
UT CEDAR CITY	CDC	0	0	0	733	54	**	8	**
UT SALT LAKE CITY	SLC	0	-1	0	1095	112	-192	11	-15
VT BURLINGTON	BTV	0	0	0	328	-51	-17	-13	-5
VA LYNCHBURG	LYH	10	5	5	1282	211	282	20	28
VA NORFOLK	ORF	22	8	5	1719	265	72	18	4
VA RICHMOND	RIC	12	3	2	1583	254	-14	19	-1
VA ROANOKE	ROA	5	1	-4	1266	183	13	17	1
WA COLVILLE	63S	0	0	0	494	185	55	60	13
WA QUILLAYUTE	UIL	0	0	0	12	-28	-9	**	**
WA SEATTLE-TACOMA	SEA	0	0	0	212	32	4	18	2
WA SPOKANE	GEG	0	0	0	496	83	47	20	10
WA WALLA WALLA	ALW	4	4	4	1046	180	12	21	1
WA YAKIMA	YKM	0	0	0	556	76	75	16	16
WV BECKLEY	BKW	0	0	0	628	164	188	35	43
WV CHARLESTON	CRW	0	-7	-8	1189	187	-18	19	-1
WV HUNTINGTON	HTS	0	-10	-6	1343	227	360	20	37
WV PARKERSBURG	PKB	0	-6	-3	1048	37	81	4	8
WI GREEN BAY	GRB	0	0	0	396	11	20	3	5
WI LACROSSE	LSE	0	-4	0	714	33	54	5	8
WI MADISON	MSN	0	-4	0	519	48	23	10	5
WI MILWAUKEE	MKE	0	-4	0	549	74	-89	16	-14
WI WAUSAU	AUW	0	0	0	405	42	23	12	6
WY CASPER	CPR	0	0	0	407	-50	22	-11	6
WY CHEYENNE	CYS	0	0	0	272	-36	-47	-12	-15
WY LANDER	LND	0	0	0	435	-1	-107	0	-20
WY SHERIDAN	SHR	0	0	0	383	-35	-25	-8	-6

October 7 Cooling Degree Days table was in error. Right column was Heating Degree Days.

National Weather Data for Selected Cities

Weather Data for the Week Ending October 11, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	76	59	83	54	68	2	.9	.3	.9	5.3	98	26.9	61	94	61	0	0	2	1
MOBILE	82	66	89	62	74	3	1.5	.7	.8	5.9	75	43.8	81	98	65	0	0	5	1
MONTGOMERY	82	66	90	62	74	6	.1	-.5	.1	5.1	89	35.8	89	96	53	1	0	1	0
AK ANCHORAGE	50	36	60	27	43	5	2.3	1.9	1.4	6.1	192	15.4	128	89	57	0	3	4	2
BARROW	24	13	30	1	19	0	.2	.1	.1	1.8	226	3.8	97	89	63	0	7	5	0
FAIRBANKS	39	29	46	21	34	3	1.4	1.2	.7	2.1	147	8.7	101	95	66	0	6	3	2
JUNEAU	52	45	55	38	48	4	2.7	.9	1.0	7.7	83	42.0	109	98	84	0	0	5	3
KODIAK	54	39	58	30	46	3	5.2	2.9	3.6	8.8	79	56.2	102	95	73	0	1	4	2
NOME	34	20	38	13	27	-4	0	-.3	0	7.5	260	15.0	120	76	41	0	7	0	0
AZ PHOENIX	89	67	96	59	78	1	.4	.3	.3	.9	101	6.2	117	68	30	4	0	2	0
PRESCOTT	66	42	74	38	54	-4	1.2	1.0	.5	3.1	162	11.2	74	85	42	0	0	5	1
TUCSON	85	60	91	52	72	-1	.5	.3	.3	.8	46	10.0	110	80	28	3	0	4	0
YUMA	89	67	95	62	78	-2	T	-.1	T	.4	103	1.5	79	66	32	4	0	0	0
AR FORT SMITH	74	58	78	52	66	0	1.2	.5	.8	5.5	125	33.5	106	97	58	0	0	3	1
LITTLE ROCK	71	57	77	55	64	-2	T	-.6	T	3.1	64	30.6	85	88	65	0	0	2	0
CA BAKERSFIELD	86	57	91	53	72	1	T	-.1	T	.1	29	4.3	102	58	25	2	0	0	0
EUREKA	62	49	77	47	55	0	T	-.4	T	2.8	185	30.2	124	99	85	0	0	2	0
FRESNO	88	56	92	53	72	4	0	-.1	0	.4	141	10.1	136	72	26	3	0	0	0
LOS ANGELES	75	62	92	58	68	1	T	0	T	1.5		14.5	167	89	60	1	0	0	0
REDDING	91	57	94	51	74	--	0	0	0	2.2		2.2		74	17	6	0	0	0
SACRAMENTO	87	51	91	47	69	3	0	-.1	0	.7	150	17.0	150	90	25	4	0	0	0
SAN DIEGO	71	62	73	59	67	-2	1.4	1.4	1.1	2.4		10.1	153	91	66	0	0	2	1
SAN FRANCISCO	71	52	83	51	62	-1	0	-.2	0	.5	109	19.1	147	97	56	0	0	0	0
CO DENVER	64	37	73	25	50	-5	.8	.6	.4	1.5	91	9.9	74	88	33	0	1	4	0
GRAND JUNCTION	67	40	74	25	54	-5	.1	-.1	.1	2.0	206	6.6	106	87	36	0	1	1	0
PUEBLO	68	37	81	31	52	-5	.6	.4	.6	1.1	99	9.5	100	88	37	0	1	1	1
CT BRIDGEPORT	63	46	74	35	54	-4	0	-.7	0	2.1	48	23.4	74	81	42	0	0	0	0
HARTFORD	63	35	79	27	49	-6	.1	-.7	.1	2.1	41	31.9	94	92	36	0	3	1	0
DC WASHINGTON	70	51	81	45	61	-2	T	-.7	T	.6	15	20.4	65	83	39	0	0	0	0
FL APALACHICOLA	87	72	91	69	79	7	6.9	5.9	4.1	16.3	157	49.6	105	94	69	2	0	4	3
DAYTONA BEACH	88	70	93	68	79	4	2.3	1.1	2.2	5.9	68	38.5	94	100	61	2	0	4	1
JACKSONVILLE	88	70	93	68	79	7	.8	-.2	.3	2.8	31	35.6	77	97	59	3	0	4	0
KEY WEST	88	79	89	77	84	3	T	-1.2	T	4.8	56	26.4	84	83	63	0	0	0	0
MIAMI	91	74	92	73	83	3	0	-1.8	0	4.7	42	55.4	114	92	55	7	0	0	0
ORLANDO	91	71	95	70	81	4	3.9	3.1	2.8	8.4	121	42.7	100	97	51	5	0	4	2
TALLAHASSEE	89	67	94	64	78	7	.4	-.5	.4	4.9	62	54.0	98	95	52	4	0	1	0
TAMPA	90	72	91	70	81	4	2.6	1.9	1.3	6.8	92	34.8	84	96	56	5	0	3	2
WEST PALM BEACH	90	74	93	71	82	3	.1	-1.9	.1	4.6	37	44.7	90	93	52	4	0	1	0
GA ATLANTA	74	59	87	53	67	2	.7	.2	.4	4.5	110	26.9	68	93	63	0	0	2	0
AUGUSTA	78	63	95	57	71	4	2.0	1.5	.9	2.7	62	35.8	98	94	60	1	0	5	2
MACON	81	64	94	57	73	5	.9	.4	.5	6.3	152	26.6	71	93	58	1	0	4	0
SAVANNAH	85	67	96	61	76	7	.9	.3	.8	1.5	23	35.3	80	94	57	3	0	2	1
HI HILO	85	69	85	66	77	1	3.3	1.4	1.2	19.2	202	121.8	131	95	62	0	0	4	4
HONOLULU	89	72	91	69	81	1	T	-.3	T	2.2	199	7.4	48	85	49	3	0	0	0
KAHULUI	87	68	89	64	78	0	0	-.1	0	T	6	10.7	77	88	52	0	0	0	0
LIHUE	84	72	84	68	78	0	.6	-.4	.3	3.5	96	18.1	61	90	64	0	0	2	0
ID BOISE	69	41	73	29	55	0	0	-.1	0	2.9	363	12.9	150	89	35	0	1	0	0
LEWISTON	72	45	79	37	58	3	0	-.2	0	.9	92	8.5	89	78	34	0	0	0	0
POCATELLO	67	35	73	32	51	0	T	-.2	T	1.3	137	11.0	131	85	28	0	1	0	0
IL CHICAGO	64	43	77	37	54	-4	.2	-.4	.2	9.9	233	28.3	102	87	51	0	0	2	0
MOLINE	66	43	74	34	55	-2	.1	-.6	.1	7.3	150	35.1	111	92	51	0	0	1	0
PEORIA	68	44	77	38	56	-1	T	-.6	T	9.1	195	31.6	107	95	50	0	0	2	0
QUINCY	69	46	76	39	57	-2	T	-.8	T	13.1	237	35.8	112	93	51	0	0	0	0
ROCKFORD	64	39	73	32	51	-4	.2	-.5	.2	10.7	221	30.9	100	91	52	0	1	2	0
SPRINGFIELD	69	44	76	40	57	-3	T	-.6	T	10.0	246	30.1	106	92	47	0	0	0	0
IN EVANSVILLE	70	46	76	37	58	-3	T	-.5	T	4.9	138	31.0	94	96	46	0	0	0	0
FORT WAYNE	64	42	75	36	53	-4	.1	-.4	.1	6.6	194	37.9	137	92	48	0	0	2	0
INDIANAPOLIS	65	44	72	37	55	-4	T	-.6	T	11.7	322	40.4	128	90	50	0	0	0	0
SOUTH BEND	63	42	72	36	52	-4	.2	-.5	.2	7.3	166	31.5	104	93	47	0	0	2	0
IA DES MOINES	64	43	76	34	54	-4	1.3	.8	1.3	8.1	206	38.4	142	94	59	0	0	2	1
SIOUX CITY	64	41	80	34	52	-4	1.3	.9	1.3	7.2	222	30.5	134	94	55	0	0	3	1
WATERLOO	62	39	75	29	51	-3	1.3	.7	1.3	6.9	156	32.9	114	94	56	0	1	1	1
KS CONCORDIA	68	47	76	36	57	-3	1.9	1.5	1.1	8.9	236	37.1	153	94	60	0	0	3	2
DODGE CITY	69	47	81	34	58	-4	.5	.2	.3	1.8	73	18.3	98	97	56	0	0	3	0
GOODLAND	66	40	80	27	53	-3	1.2	.9	1.0	2.5	138	14.4	97	94	46	0	1	4	1
TOPEKA	69	49	78	42	59	-2	1.1	.4	1.0	8.7	190	34.5	121	96	60	0	0	2	1
WICHITA	68	51	73	39	59	-4	.6	0	.6	7.1	158	29.1	118	97	61	0	0	2	1
KY BOWLING GREEN	70	47	76	37	58	-3	0	-.6	0	5.0	119	24.0	62	96	52	0	0	C	0
LEXINGTON	67	46	75	39	57	-3	0	-.5	0	3.8	92	23.6	63	88	48	0	0	0	0
LOUISVILLE	70	48	77	41	59	-2	0	-.6	0	4.5	105	28.9	83	91	44	0	0	0	0
LA ALEXANDRIA	78	65	90	61	71	0	.8	0	.6	3.6	93	30.0	71	95	67	1	0	3	1
BATON ROUGE	82	68	94	64	75	4	.3	-.4	.3	2.2	40	36.6	81	92	62	1	0	1	0
LAKE CHARLES	82	67	89	62	75	3	.3	-.6	.2	6.5	98	35.8	85	97	69	0	0	4	0
NEW ORLEANS	85	70	92	68	77	5	.5	-.2	.5	1.9	27	32.5	66	97	64	2	0	2	0

Based on 1951-80 normals.

Weather Data for the Week Ending October 11, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	75	62	82	59	69	+1	.7	-.1	.4	4.3	102	38.5	112	98	71	0	0	3	0
ME CARIBOU	47	29	62	21	38	+8	.4	-.4	.2	4.1	88	27.9	99	92	55	0	6	3	0
PORTLAND	59	33	70	25	46	+5	.1	-.8	.1	3.6	80	32.3	102	91	38	0	2	2	0
MD BALTIMORE	69	47	79	38	58	+2	T	-.7	T	.6	14	20.3	61	87	40	0	0	0	0
SALISBURY	71	49	80	39	60	0	T	-.9	T	1.6	31	21.7	60	92	51	0	0	1	0
MA BOSTON	61	42	76	37	51	+6	.1	-.6	.1	2.5	56	30.1	91	82	38	0	0	1	0
CHATHAM	61	44	69	39	52	+4	.2	-.6	.1	2.6	52	35.8	103	75	54	0	0	2	0
MI ALPENA	56	31	68	24	44	+7	.3	-.2	.1	9.1	246	28.2	121	95	53	0	5	5	0
DETROIT	61	39	73	34	50	+5	.2	-.3	.1	9.3	312	32.1	130	94	52	0	0	3	0
FLINT	59	37	67	31	48	+5	.2	-.3	.1	12.2	395	34.4	146	93	53	0	1	2	0
GRAND RAPIDS	59	37	68	31	48	+6	.4	-.3	.2	14.2	339	45.2	167	95	49	0	1	2	0
HOUGHTON LAKE	55	36	64	26	46	+5	.3	-.3	.2	10.7	292	31.9	142	87	54	0	2	3	0
LANSING	60	37	68	32	49	+5	.3	-.2	.2	10.2	308	34.2	145	96	52	0	1	2	0
MARQUETTE	51	32	70	23	42	+6	1.8	1.0	1.1	4.9	94	26.3	88	95	52	0	3	5	1
MUSKEGON	59	37	68	31	48	+6	T	-.6	T	15.0	383	32.2	133	92	49	0	1	1	0
SAULT STE. MARIE	52	31	62	25	42	+7	.9	.3	.4	6.5	130	31.0	120	92	54	0	5	4	0
MN ALEXANDRIA	56	37	72	28	47	+4	.1	-.4	.1	4.5	148	32.2	150	92	56	0	1	1	0
DULUTH	52	31	73	22	42	+6	.3	-.3	.2	6.7	160	33.6	132	92	50	0	5	3	0
INT'L FALLS	49	29	62	22	39	+8	.2	-.3	.1	3.0	75	16.6	78	96	57	0	5	4	0
MINNEAPOLIS	57	39	73	33	48	+5	1.1	.7	1.1	8.2	255	35.2	152	92	56	0	0	3	1
ROCHESTER	57	37	72	29	47	+5	1.9	1.4	1.9	13.6	348	38.4	155	94	58	0	2	3	1
MS GREENWOOD	76	58	85	53	67	0	.9	.3	.7	3.0	71	23.1	56	98	53	0	0	4	1
JACKSON	80	62	91	58	71	3	1.2	.6	.5	4.0	88	32.0	77	99	60	1	0	3	1
MERIDIAN	79	61	91	58	70	3	.5	-.2	.3	3.2	71	30.8	72	97	59	1	0	3	0
MO CAPE GIRARDEAU	71	52	76	43	61	-1	T	-.5	T	3.3	72	33.4	94	94	54	0	0	1	0
COLUMBIA	69	49	75	43	59	-2	.4	-.5	.2	12.4	249	34.0	113	95	58	0	0	2	0
KANSAS CITY	68	49	76	42	59	-2	.8	0	.8	12.6	231	35.9	118	95	62	0	0	1	1
SAINT LOUIS	69	49	75	44	59	-3	T	-.6	T	11.7	327	30.6	110	88	52	0	0	0	0
SPRINGFIELD	68	50	71	43	59	-3	.5	-.3	.5	15.1	273	35.4	110	98	66	0	0	3	0
MT BILLINGS	62	40	71	25	51	-2	.1	-.2	0	1.6	92	12.9	102	82	34	0	1	2	0
GLASGOW	57	41	73	27	49	-1	.1	-.1	.1	4.5	406	12.5	119	86	51	0	1	1	0
GREAT FALLS	62	40	74	25	51	0	.2	0	.1	2.3	168	13.1	99	83	36	0	2	3	0
HAVRE	59	37	75	24	48	-2	.1	-.1	.1	5.9	517	16.5	167	83	42	0	2	1	0
HELENA	63	34	73	24	49	0	T	-.1	T	2.5	229	11.1	113	95	31	0	3	1	0
KALISPELL	61	33	66	24	47	1	.2	0	.2	3.0	208	14.8	119	97	49	0	1	1	0
MILES CITY	61	41	74	28	51	-1	T	-.2	T	3.5	251	15.0	122	86	49	0	1	0	0
MISSOULA	64	34	70	24	49	1	.4	.2	.4	3.9	287	14.9	139	97	40	0	2	1	0
NE GRAND ISLAND	64	42	80	33	53	-4	1.4	1.1	.8	5.5	181	22.9	108	95	57	0	0	4	1
LINCOLN	66	43	78	36	54	-3	3.5	3.1	2.8	9.8	268	36.2	148	96	60	0	0	3	1
NORFOLK	62	41	80	34	52	-4	1.0	.6	.7	5.2	196	29.0	134	96	56	0	0	3	1
NORTH PLATTE	65	38	81	31	51	-3	.3	.1	.3	2.3	112	16.2	90	97	51	0	1	2	0
OMAHA	64	44	77	37	54	-3	2.7	2.2	2.5	10.4	244	34.5	129	94	74	0	0	4	1
SCOTTSBLUFF	62	36	74	27	49	-5	.4	.2	.2	2.5	177	19.8	151	92	45	0	1	2	0
VALENTINE	61	36	79	32	49	-5	.4	.2	.4	3.2	184	18.7	118	84	48	0	1	1	0
NV ELY	65	29	72	26	47	-2	0	-.1	0	2.1	227	7.7	105	86	28	0	7	0	0
LAS VEGAS	81	56	87	52	69	-3	T	0	T	.1	24	1.3	41	55	23	0	0	1	0
RENO	75	35	80	33	55	2	0	-.1	0	.3	83	8.8	160	81	17	0	0	0	0
WINNEMUCCA	74	34	80	31	54	2	0	-.1	0	1.5	275	5.2	88	80	19	0	2	0	0
NH CONCORD	60	30	73	20	45	-6	T	-.6	T	3.1	74	30.6	112	94	38	0	4	1	0
NJ ATLANTIC CITY	66	44	78	32	55	-3	T	-.6	T	2.7	70	27.3	84	91	48	0	1	0	0
NM ALBUQUERQUE	68	48	76	38	58	-3	1.2	1.0	.5	1.7	142	11.0	164	88	46	0	0	5	1
CLOVIS	66	50	83	39	58	-4	2.1	1.7	1.8	4.6	177	16.5	109	76	49	0	0	3	1
ROSWELL	70	51	83	43	60	-5	4.2	4.0	3.5	8.3	389	20.1	236	97	56	0	0	4	2
NY ALBANY	58	33	70	24	46	-8	.1	-.6	0	3.4	79	34.2	123	96	46	0	4	2	0
BINGHAMTON	57	36	69	29	47	-6	T	-.7	T	4.5	101	35.0	121	81	42	0	2	1	0
BUFFALO	58	39	65	32	49	-5	.4	-.2	.3	6.4	146	30.7	107	82	47	0	1	2	0
NEW YORK	65	48	77	43	56	-4	T	-.7	T	2.6	56	26.7	80	82	45	0	0	0	0
ROCHESTER	57	38	66	32	48	-7	.2	-.3	.2	6.1	172	28.2	116	90	49	0	1	2	0
SYRACUSE	57	36	69	27	47	-7	.2	-.5	.2	6.7	154	33.7	111	90	44	0	2	3	0
NC ASHEVILLE	67	52	85	45	60	1	1.0	.3	.7	4.2	81	21.9	56	95	65	0	0	3	1
CHARLOTTE	73	59	92	52	66	2	.7	0	.6	1.5	33	17.5	50	86	59	1	0	2	1
GREENSBORO	72	56	90	49	64	2	.1	-.7	.1	1.1	22	19.4	56	91	57	1	0	1	0
HATTERAS	78	65	89	58	71	4	1.1	0	.7	1.2	16	37.0	85	96	62	0	0	3	1
NEW BERN	78	62	95	58	70	3	1.0	.1	.8	1.9	27	36.8	83	97	66	1	0	4	1
RALEIGH	73	58	92	50	66	3	.3	-.3	.2	1.3	29	30.1	89	89	58	1	0	3	0
WILMINGTON	78	63	94	58	71	3	1.8	1.0	.9	2.5	36	47.2	105	89	60	1	0	3	2
ND BISMARCK	55	39	72	31	47	-3	.1	-.1	.1	4.7	274	22.1	159	95	58	0	1	2	0
FARGO	55	34	68	22	44	-6	T	-.3	T	3.7	154	21.8	125	90	54	0	3	1	0
GRAND FORKS	54	30	69	20	42	-7	T	-.3	T	2.6	104	13.9	86	89	52	0	5	2	0
WILLISTON	54	35	73	22	44	-5	.2	0	.2	3.8	223	20.5	165	91	55	0	3	2	0
OH AKRON-CANTON	59	39	68	31	49	-6	.1	-.4	.1	5.4	142	23.9	82	87	49	0	1	2	0
CINCINNATI	66	44	73	37	55	-3	0	-.6	0	5.6	147	26.2	81	90	48	0	0	0	0
CLEVELAND	61	44	71	37	53	-4	.1	-.4	.1	8.2	217	33.9	120	82	47	0	0	2	0
COLUMBUS	64	43	71	36	54	-4	T	-.4	T	6.7	194	28.3	93	88	43	0	0	0	0

Based on 1951-80 normals.

Weather Data for the Week Ending October 11, 1986

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																TEMPERATURE °F		PRECIPITATION	
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	63	43	70	38	53	-5	T	-.4	T	8.2	267	35.8	127	87	49	0	0	1	0
TOLEDO	63	39	74	32	51	-4	.3	-.1	.2	8.2	252	33.8	133	98	51	0	1	3	0
YOUNGSTOWN	60	38	68	28	49	-6	.2	-.5	.1	7.8	190	38.7	129	90	46	0	1	2	0
OK OKLAHOMA CITY	71	55	75	43	63	-3	.5	-.2	.5	15.3	338	37.1	139	97	65	0	0	2	0
TULSA	71	55	76	46	63	-3	1.0	.1	1.0	12.6	219	37.5	116	95	63	0	0	1	1
OR ASTORIA	68	49	73	47	59	4	0	-1.2	0	3.6	74	39.3	90	92	60	0	0	0	0
BURNS	70	37	77	22	53	2	0	-.2	0	1.8	206	9.4	174	—	—	0	2	0	0
MEDFORD	81	42	86	41	62	4	0	-.3	0	2.3	191	12.5	102	96	30	0	0	0	0
PENDLETON	72	46	80	37	59	3	0	-.2	0	1.4	169	8.9	106	76	31	0	0	0	0
PORTLAND	72	50	77	46	61	4	0	-.6	0	4.3	175	22.5	95	90	44	0	0	0	0
SALEM	74	43	78	36	58	3	0	-.6	0	3.1	124	25.6	102	96	44	0	0	0	0
PA ALLENTOWN	64	39	75	33	52	-5	0	-.7	0	3.8	73	31.3	90	85	39	0	0	0	0
ERIE	60	44	70	38	52	-2	.2	-.5	.2	10.3	201	37.5	124	73	43	0	0	4	0
HARRISBURG	64	42	76	33	53	-5	0	-.6	0	2.8	60	32.0	104	89	41	0	0	0	0
PHILADELPHIA	67	45	78	40	56	-3	T	-.6	T	2.8	64	26.5	81	84	43	0	0	0	0
PITTSBURGH	62	39	69	32	50	-5	T	-.5	T	4.4	118	29.1	98	78	39	0	1	2	0
SCRANTON	60	37	69	29	49	-6	.1	-.6	.1	4.5	103	37.1	133	86	40	0	2	1	0
RI PROVIDENCE	62	37	75	32	49	-7	T	-.8	T	2.0	41	30.7	90	91	41	0	2	2	0
SC CHARLESTON	80	65	94	60	73	4	2.0	1.3	1.1	6.6	107	38.1	85	95	65	1	0	3	1
COLUMBIA	75	62	95	56	68	2	4.6	4.0	2.4	5.2	98	24.1	58	93	62	1	0	5	3
FLORENCE	77	62	97	55	69	2	3.5	2.9	2.2	4.0	79	23.4	63	88	61	1	0	3	2
GREENVILLE	72	57	91	51	64	1	.6	-.3	.3	3.2	55	24.3	59	90	62	1	0	3	0
SD ABERDEEN	58	35	76	30	47	-5	.1	-.2	.1	3.0	155	25.0	155	93	52	0	2	2	0
HURON	60	38	80	31	49	-4	.1	-.3	.1	4.4	235	26.9	162	93	52	0	2	2	0
RAPID CITY	58	37	74	28	48	-6	.1	-.1	.1	4.6	340	19.9	134	94	54	0	1	2	0
SIOUX FALLS	59	38	77	31	48	-5	.4	-.1	.2	9.9	285	29.0	134	96	58	0	1	3	0
TN CHATTANOOGA	73	56	84	47	64	1	1.0	.3	.8	6.8	126	24.3	59	99	65	0	0	3	1
KNOXVILLE	73	53	79	44	63	0	.8	.2	.5	4.5	113	21.7	58	98	58	0	0	2	0
MEMPHIS	75	55	81	48	65	-1	T	-.5	T	1.6	36	22.8	56	97	53	0	0	0	0
NASHVILLE	72	50	76	41	61	-3	T	-.6	T	2.4	51	18.8	49	93	47	0	0	0	0
TX ABILENE	70	56	77	46	63	-6	3.1	2.5	2.6	8.9	222	26.4	134	97	70	0	0	5	1
AMARILLO	64	46	75	34	55	-8	1.3	.9	.5	3.2	140	22.5	131	100	68	0	0	4	0
AUSTIN	76	64	84	61	70	-3	1.4	.5	.7	6.3	127	21.0	83	99	72	0	0	4	2
BEAUMONT	82	67	93	62	75	2	.9	0	.4	4.3	56	39.2	94	95	66	1	0	5	0
BROWNSVILLE	92	73	96	70	82	5	2.4	1.4	2.1	4.1	60	15.4	74	95	51	5	0	4	1
CORPUS CHRISTI	85	72	92	70	78	2	1.3	.4	1.1	3.2	41	20.2	79	96	66	1	0	2	1
DEL RIO	77	63	84	58	70	-4	3.8	3.2	1.7	8.2	223	21.5	147	94	75	0	0	5	2
EL PASO	78	54	85	48	66	-1	.3	.1	.3	1.2	67	9.4	140	84	38	0	0	1	0
FORT WORTH	73	59	80	53	66	-5	.7	.1	.3	6.0	138	26.4	107	96	68	0	0	5	0
GALVESTON	81	71	88	65	76	1	2.9	2.2	2.1	5.9	84	21.3	67	92	69	0	0	4	1
HOUSTON	79	66	90	62	73	1	2.7	1.8	1.1	6.4	101	28.5	80	94	72	1	0	5	3
LUBBOCK	69	51	80	39	60	-4	.5	0	.5	9.1	323	22.9	146	100	71	0	0	2	0
MIDLAND	70	53	83	45	61	-6	1.9	1.5	1.1	13.0	483	25.9	218	99	65	0	0	4	2
SAN ANGELO	72	56	80	50	64	-6	4.2	3.6	3.1	13.1	333	28.4	184	98	71	0	0	4	2
SAN ANTONIO	80	64	93	60	72	-1	3.2	2.5	1.6	6.2	127	30.6	129	98	62	1	0	4	2
VICTORIA	81	69	93	64	75	1	2.2	1.3	1.8	5.8	74	27.6	90	97	70	1	0	5	1
WACO	74	62	82	59	68	-4	3.2	2.5	2.6	7.1	163	26.8	108	99	73	0	0	4	1
WICHITA FALLS	73	57	78	46	65	-3	.2	-.4	.2	8.2	181	27.6	122	98	64	0	0	3	0
UT BLANDING	63	41	72	34	52	-3	1.1	.8	.8	3.5	253	13.2	153	91	62	0	0	3	1
CEDAR CITY	66	37	72	31	51	-4	.3	.2	.3	1.8	158	9.9	121	91	37	0	1	1	0
SALT LAKE CITY	66	41	73	34	53	-3	T	-.2	T	3.0	241	18.0	151	84	36	0	0	1	0
VT BURLINGTON	54	34	63	25	44	-7	.2	-.4	.2	5.9	141	34.5	129	82	43	0	2	2	0
VA NORFOLK	74	60	83	55	67	3	T	-.8	T	.3	5	19.8	53	93	52	0	0	1	0
RICHMOND	73	51	83	42	62	0	T	-.8	T	.7	13	26.5	76	93	49	0	0	1	0
ROANOKE	70	48	78	36	59	0	T	-.8	T	3.1	70	21.9	70	85	44	0	0	0	0
WA COLVILLE	66	38	70	28	52	2	0	-.2	0	3.1	256	18.0	148	87	51	0	1	0	0
QUILLAYUTE	65	44	73	35	54	2	T	-2.1	T	3.8	45	69.0	103	99	62	0	0	2	0
SEATTLE-TACOMA	65	50	73	49	58	3	0	-.7	0	1.9	63	22.5	93	95	59	0	0	0	0
SPOKANE	67	40	73	32	53	2	0	-.2	0	1.6	156	11.7	103	90	37	0	1	0	0
YAKIMA	74	38	83	30	56	3	0	-.1	0	2.1	470	7.4	137	91	29	0	1	0	0
WV BECKLEY	64	44	70	31	54	-1	.1	-.5	.1	5.4	124	29.7	86	92	54	0	1	1	0
CHARLESTON	68	47	75	39	57	-2	T	-.6	T	4.1	103	33.3	96	95	48	0	0	1	0
HUNTINGTON	67	46	75	38	57	-3	T	-.6	T	4.1	104	27.7	83	97	47	0	0	0	0
PARKERSBURG	66	42	73	37	54	-4	0	-.5	0	6.1	168	29.3	85	94	41	0	0	0	0
WI GREEN BAY	57	37	70	31	47	-5	.4	-.1	.2	8.9	221	29.0	123	95	51	0	2	4	0
LA CROSSE	62	41	75	34	51	-3	1.3	.8	1.3	11.0	252	30.2	114	89	44	0	0	1	1
MADISON	60	38	69	30	49	-4	.1	-.5	.1	7.9	201	29.3	112	90	54	0	2	1	0
MILWAUKEE	60	43	71	37	51	-3	.1	-.5	0	8.1	216	38.5	151	84	52	0	0	3	0
WAUSAU	56	37	69	29	46	-4	1.8	1.2	1.1	12.0	246	29.1	107	91	46	0	3	3	2
WY CASPER	57	35	68	25	46	-5	.2	-.1	.1	3.2	290	13.6	140	92	43	0	2	3	0
CHEYENNE	57	35	67	20	46	-5	.2	.1	.1	3.5	261	12.9	108	93	41	0	2	2	0
LANDER	58	36	70	23	47	-4	.5	.3	.4	2.1	163	9.7	87	86	36	0	2	4	0
SHERIDAN	59	36	71	19	47	-3	.3	0	.3	3.6	226	14.0	111	92	44	0	2	1	0
PR SAN JUAN	89	75	90	73	82	0	.8	-.3	.8	2.9	37	37.5	94	94	62	2	0	3	1

Based on 1951-80 normals.

National Agricultural Summary

October 6 to 12, 1986

HIGHLIGHTS: Precipitation impeded harvest and winter wheat seeding from Texas, through the central Great Plains, and into the Corn Belt. The excessive wetness continued taking its toll as soybean and corn crops continued deteriorating in these areas. Fieldwork averaged 3 to 4 days in the Corn Belt, and central and northern Plains. Farmers were able to work 5 to 6 days in most other areas. Rain in the Southeast was not enough to overcome the short moisture condition.

Corn harvest was up 7 percentage points from the previous week but was still 5 points below normal. Harvest was behind normal in 9 major producing States, mostly in the rain soaked Corn Belt. Soybeans were 24 percent (%) harvested compared with 26% in 1985 and the 36% 5-year average. Cotton harvest was 8 points ahead of normal. Sizeable harvest gains were in Alabama, Georgia, Missouri, North Carolina, and Tennessee. Sorghum harvest at week's end was 45% complete, 5 points behind normal. Rice harvest advanced to 89% completion, compared with 80% normally. Winter wheat was 66% finished, 3 points above the average. In some areas, seeding awaits row crop harvesting. Fifty-three percent of wheat acreage was emerged, up 9 points above the average. Pastures were mostly good in the northern half of the Nation. Condition was mostly fair in the southern part. Livestock was mostly good.

SMALL GRAINS: Wheat was mostly good with 66% of the crop seeded and 53% emerged. Seeding was 10 points behind normal, but emergence was 9 points ahead of normal. Wetness hampered seeding in the Corn Belt and central Plains while dryness delayed seeding and germination in the Southeast. Despite weather delays, seeding increased from the previous week in all States except Oklahoma. In Kansas, wheat was 80% seeded, equaling the average. Reseeding may be necessary in some areas. Moisture was adequate to establish stands and sustain early-fall growth. Seeding was nearly finished in Nebraska. Heavy rain caused soil erosion in southeast Nebraska. Oklahoma's producers need dry, sunny weather to complete seeding. Aerial seeding continued in Ohio, but progress was still 38 points behind normal at 17% completed. Seeding was 55 points behind the 65% average in Michigan.

CORN: Corn was 96% mature and 25% harvested. Normally 96% would be mature and 30% harvested. Wet weather delayed harvest through the Corn Belt and northern Great Plains. Harvest was behind normal in 9 of the 17 major producing States, ranging from 1 to 8 points. Harvest was mostly ahead of normal in the Southeast and central Great Plains. Corn lodging and ear droppage were light to moderate in Iowa. Michigan's producers were able to harvest corn in well drained fields. Swollen kernels, mold, and sprouting were common in southeastern Minnesota. Nebraska corn producers were harvesting fields damaged by stalk rot and corn borer early to limit losses. Despite wetness, Ohio harvest was only 2 points behind normal. Lodging, sprouting, and deteriorating stalks continued in the wettest areas.

SOYBEANS: In the 19 major producing States, 87% of the acreage dropped leaves, compared with 86% last year and 85% average. Harvest was 10 points ahead of the previous week, but 12 points behind normal at 24% completion. Harvest was behind normal in 10 States. Farmers made sizable harvesting gains in most Corn Belt States, but harvest was still far behind normal. Michigan producers waited until late week when a few fields were dry enough to support combines to resume harvesting. Mold, sprouting in pods, and lodging continued lowering quality in the Corn Belt and central and northern Plains.

COTTON: Cotton harvest advanced 7 points from the previous week and was 8 points above the 24% average. Sixty-one percent of the acreage had opened bolls compared with 81% normally. Moisture promoted growth in Texas and Oklahoma, causing bolls to open 28 and 30 points slower than normal, respectively. Most of the acreage in the Southeast and Southwest had reached the boll opening stage. Harvest progress more than doubled in Alabama and Georgia from the previous week. Nearly a third of the Missouri crop was harvested in one week. Wet conditions halted harvest in Oklahoma.

GRAIN SORGHUM: Sorghum maturity was slightly ahead of normal, but harvest lagged 4 points behind the average. The wet weather caused extensive sprout damage in eastern Kansas. Harvest was 5 points below normal, with 20% combined. In Missouri harvest was 6 points below normal, in Oklahoma 10 points below normal, in South Dakota 22 points behind normal, and in Texas 9 points behind normal.

OTHER CROPS: Rice was 89% harvested, compared with 84% last year and 80% normal. A few acres remained to be harvested in Arkansas and Mississippi. Forty percent of California's acreage was combined, 7 points greater than average.

Burley tobacco stripping was 8% finished in Kentucky, 3 points ahead of average. Flue-cured tobacco was harvested in North Carolina and Virginia.

Peanuts were 52% dug and 40% combined in Georgia. Alabama's peanuts were 40% dug and 24% combined. Harvest was considerably behind normal in both States. Nearly three-fourths of North Carolina peanuts were out of the ground and slightly more than half was threshed.

FRUIT AND NUTS: Florida citrus producers continued irrigating to maintain surface moisture. Some oranges and grapefruit showed good color. Fresh market fruit picking increased. In Texas, early orange harvest was underway and grapefruit harvest should begin soon. Cooler temperatures and rain helped fruit size well. Lemons, grapefruit, and Navel oranges were packed in Arizona. Pecans were harvested in south-central Arizona. Navel oranges colored well in California with harvest expected in 2 weeks. Desert lemon harvest slowed, but desert grapefruit harvest should begin soon. Raisins were picked, and the crop is safe from weather damage.

VEGETABLES: In Florida vegetable crops were mostly good. Fall crop harvest increased. Rain slowed vegetable harvest in Texas. Most fall crops progressed well. Lettuce, cauliflower, broccoli, and mixed vegetables were planted in western and central Arizona. California vegetable harvest consisted mostly of artichokes, broccoli, snap beans, cauliflower, celery, sweet corn, and cucumbers.

PASTURE AND LIVESTOCK: Pasture conditions varied with mostly fair in the southern half of the Nation and mostly good in the northern areas. Livestock was mostly good.

CROP PROGRESS

FOR WEEK ENDING OCTOBER 12, 1986

CORN
% MATURE

	1986	1985	AVG.
COLO	90	94	90
GA	100	100	100
ILL	100	100	100
IND	99	100	92
IOWA	100	100	98
KANS	100	98	96
KY	100	98	97
MICH	75	95	95
MINN	93	88	94
MO	100	100	95
NEBR	100	100	92
N C	100	100	100
OHIO	98	100	94
PA	85	78	75
S DAK	90	77	100
TEX	99	100	NA
WIS	86	88	97
17 STATES	96	96	NA
EXCL. STATES WITH NA	96	96	96

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

NA - NOT AVAILABLE.

CORN
% HARVESTED

	1986	1985	AVG.
COLO	11	12	15
GA	96	96	93
ILL	36	32	36
IND	30	25	25
IOWA	15	17	30
KANS	60	50	55
KY	62	56	48
MICH	3	5	10
MINN	6	5	15
MO	43	45	53
NEBR	20	10	20
N C	83	81	83
OHIO	18	23	20
PA	19	16	12
S DAK	7	4	25
TEX	90	91	91
WIS	3	8	10
17 STATES	25	24	30

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

COTTON
% BOLLS OPENING

	1986	1985	AVG.
ALA	98	98	93
ARIZ	99	100	98
ARK	96	97	97
CALIF	100	100	94
GA	85	92	83
LA	100	99	98
MISS	100	100	100
MO	93	88	97
N MEX	100	85	96
N C	100	100	100
OKLA	45	85	75
S C	97	100	100
TENN	100	100	96
TEX	37	64	66
14 STATES	68	82	81

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

COTTON
% HARVESTED

	1986	1985	AVG.
ALA	48	49	39
ARIZ	20	10	12
ARK	63	61	44
CALIF	5	1	4
GA	27	33	23
LA	79	72	44
MISS	86	62	46
MO	72	48	45
N MEX	10	10	14
N C	29	26	31
OKLA	1	10	5
S C	26	61	45
TENN	65	45	45
TEX	18	20	19
14 STATES	32	29	24

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

WINTER WHEAT
% PLANTED

	1986	1985	AVG.
ARK	14	16	14
CALIF	3	3	2
COLO	97	97	95
GA	11	9	8
IDAHO	78	83	80
ILL	17	47	45
IND	25	50	55
KANS	80	65	80
MICH	10	60	65
MO	16	27	35
MONT	56	69	80
NEBR	98	92	100
N MEX	90	NA	NA
N C	11	9	15
OHIO	17	60	55
OKLA	65	70	60
OREG	60	40	58
S DAK	87	96	99
TEX	66	51	57
WASH	90	89	84
20 STATES	67	NA	NA
EXCL. STATES WITH NA	66	64	69

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

WINTER WHEAT
% EMERGED

	1986	1985	AVG.
ARK	5	5	NA
CALIF	0	0	0
COLO	78	85	81
GA	7	3	NA
IDAHO	37	46	48
ILL	11	13	18
IND	20	20	25
KANS	70	40	45
MICH	5	15	NA
MO	11	11	15
MONT	31	46	51
NEBR	92	75	75
N MEX	85	NA	NA
N C	6	NA	NA
OHIO	10	19	20
OKLA	40	35	30
OREG	29	14	26
S DAK	79	79	87
TEX	45	32	30
WASH	68	57	61
20 STATES	51	NA	NA
EXCL. STATES WITH NA	53	43	44

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

RICE
% HARVESTED

	1986	1985	AVG.
ARK	97	89	82
CALIF	40	35	33
LA	100	96	97
MISS	99	100	86
TEX	100	99	100
5 STATES	89	84	80

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

SOYBEANS
% DROPPING LEAVES

	1986	1985	AVG.
ALA	56	63	66
ARK	48	55	46
GA	74	80	62
ILL	99	96	98
IND	99	100	98
IOWA	98	99	98
KANS	90	80	85
KY	77	71	67
LA	63	69	69
MICH	95	98	100
MINN	99	98	99
MISS	81	82	85
MO	89	81	81
NEBR	98	100	96
N C	40	34	32
OHIO	100	98	98
S C	38	44	44
S DAK	94	90	99
TENN	75	80	80
19 STATES	87	86	85

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

SOYBEANS
% HARVESTED

	1986	1985	AVG.
ALA	18	13	17
ARK	14	16	10
GA	6	8	6
ILL	38	58	65
IND	35	45	55
IOWA	25	19	49
KANS	20	10	30
KY	19	12	12
LA	23	32	27
MICH	2	10	20
MINN	33	7	33
MISS	25	21	18
MO	15	15	28
NEBR	25	10	30
N C	4	2	3
OHIO	26	53	45
S C	5	3	2
S DAK	22	4	48
TENN	10	11	8
19 STATES	24	26	36

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

GRAIN SORGHUM
% MATURE

	1986	1985	AVG.
ARK	98	NA	NA
ILL	96	NA	NA
KANS	85	75	75
LA	100	100	99
MISS	100	NA	NA
MO	92	87	86
NEBR	98	99	85
OKLA	75	95	85
S DAK	79	67	86
TENN	97	97	NA
TEX	76	92	90
11 STATES	87	NA	NA
EXCL. STATES WITH NA	85	86	84

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

GRAIN SORGHUM
% HARVESTED

	1986	1985	AVG.
ARK	95	92	90
ILL	40	34	40
KANS	20	15	25
LA	100	98	97
MISS	99	93	84
MO	43	42	49
NEBR	20	8	20
OKLA	15	30	25
S DAK	9	8	31
TENN	85	80	NA
TEX	64	70	73
11 STATES	46	44	NA
EXCL. STATES WITH NA	45	43	49

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

For Information Call: (202) 447-7310

WEEKLY CROP WEATHER CONDITION

CROP CONDITION PERCENT FOR WEEK ENDING OCTOBER 12, 1986

WINTER WHEAT

STATE	VP	P	F	G	EX
ARK	0	11	31	52	6
COLO	0	13	33	45	9
KANS	1	7	12	33	47
MICH	20	25	25	30	0
MONT	0	7	4	72	17
NEBR	0	0	8	67	25
N MEX	0	0	19	81	0
OKLA	0	7	50	40	3
S DAK	1	0	18	45	36
WASH	0	5	15	80	0

VP - VERY POOR P - POOR F - FAIR G - GOOD EX - EXCELLENT

State Summaries of Weather and Agriculture

ALABAMA: Temperatures averaged 1 to 5° above normal. Rainfall totals 1.00 to 3.00 in. north; 0.50 in. south.

Days suitable for fieldwork 5.8. Soil moisture 74% short, 24% adequate, 2% surplus. Harvesting row crops very active. Peanuts dug 40%, 93% 1985, 91% avg.; combined 24%, 86% 1985, 84% avg.; 8% poor, 77% fair, 15% good. Primary activities: Harvesting corn, sorghum, cotton, soybeans, peanuts, hay; defoliating cotton; planting small grains, annual forage crops; routine care of livestock, poultry.

ARIZONA: Widely scattered showers, thunderstorms 6th to 8th. Low pressure system erupted with heavy rain, gusty winds, 9th to 11th; caused severe dust storms. Hail reported at number of locations, central. Snow level down to 6,500 ft.; .50 to 4 in. above 7,000 ft. Moisture amounts for week mostly between 0.50 and 1.50 ins., except over 2.00 ins. Mogollon Rim, White Mountains. Average temperatures from 6° below normal to 1° above.

Cotton harvest active until rain on 9th. Defoliation remained vigorous, some fields may be re-sprayed. Insect problems generally light. Alfalfa planting, stand renovation brisk west, moderate central. New stands good. Harvesting, weed or insect problems light to moderate. Corn, sorghum harvests advanced southeast. Sesame harvest continued. Peanuts good. Lettuce, cauliflower, broccoli, mixed vegetables planted west, central; stands good. Southeast lettuce shipments strong. Mixed vegetables harvested central valley. Sweet corn harvested south central. Potatoes, pumpkins shipped southeast. Melon shipping very active. Lemons, grapefruit, Navel oranges packed. Apples picked. Pistachio harvest completed. Pecans harvested south central.

ARKANSAS: Strong cold front pushed through State late week with light to moderate rainfall. Temperatures began falling after frontal passage, bringing much cooler weather to State. Temperature extremes 42°; 86°. Rainfall 0.40 to 2.76 in.

Days suitable for fieldwork 5.0. Soil moisture 26% short, 54% adequate, 20% surplus. Crop growth moderate. Major activities: Cutting, baling hay; fertilizing, liming, seeding pastures; weaning, marketing spring calves; fence repair; machinery repair; harvesting crops; shredding, disking under crop stubble; preparing wheat, oat seedbeds. Cotton gins operating full-time. Blast evident in many late rice fields. Extensive flooding to crops in counties along the Arkansas River.

CALIFORNIA: High pressure dominate over western region. Resulted dry conditions above normal temperatures. Low pressure area developed southern State coast midweek with rain, locally heavy amounts southern portion of State. Cloudiness kept temperatures below normal southern interior.

Normal temperatures pushed crop maturation. Preparation winter seedings active. Cotton growers started harvesting. Rice harvest full swing. Dry bean, corn, sunflower, sugarbeets continued harvest. Last cutting alfalfa baled. Dry weather aided harvest remaining crops. Table, wine grape harvest continued. Growers picked up raisins, entire crop now safe. Kiwifruit, persimmon harvests full swing, good quality noted. Kiwifruit sizes, yield good. Olive harvest progressed, good sizes improving due to early rains. Almond harvest essentially complete; walnut harvest continued. Navel oranges colored, harvest expected 2 weeks. Good yields anticipated. Valencia harvest neared completion, average quality. Desert lemon harvest slowed; desert grapefruit harvest begin soon. Artichokes moderate, variable quality; Salinas. Asparagus harvest underway, Palo Verde Valley. Broccoli fairly heavy, Salinas; moderate, Santa Maria; good quality. Fall fields; Tulare, Riverside; normal growth, development. Harvest continued, Firebaugh District. Fall strawberry planting underway, Riverside. Snap bean harvest active; south coast, central valley; good quality. Carrot moderate, Salinas, good quality. Fall acreage; Perris-Hemet, Coachella Valley; good growth, quality. Cauliflower moderate, good quality, Santa Maria. Celery fairly heavy; Salinas; moderate, Santa Maria; good quality. Transplanting cauliflower, celery continued; south coast. Sweet corn, cucumber harvest active, statewide, good quality. Fall harvest sweet corn begin soon, Fresno. Lettuce fairly heavy, variable quality, Salinas. Harvesting fall crop, Westside, begin shortly. Cantaloup, honeydew harvested, Westside; fair to good quality. Harvest, desert, began slowly; delayed due to rainfall. Pepper harvesting active, Fresno. Fall potato harvest, Tulelake-Butte Valley, full swing. Fall fields, Riverside; showed good growth, quality. Sweetpotato digging active; Merced-Atwater, Modesto-Turlock. Pumpkin harvest picked up; Sacramento, San Joaquin Valleys, south coast. Tomatoes for processing, fresh market harvested; Merced-Atwater, Modesto-Turlock, Fresno, south coast. Pastures continued green up, however, more moisture need sustain growth. Movement cattle market winter pastures heavy. Sheep being moved alfalfa, harvested melon fields San Joaquin Valley. Calving heavy; lambing increasing.

COLORADO: Temperatures averaged 3° below normal to 3° above normal. Precipitation totals averaged none to 0.60 in.

Days suitable for fieldwork 5.3. Soil moisture 8% very short, 33% short, 51% adequate, 8% surplus. Dry beans cut 92%, 97% 1985, 97% avg.; threshed 81%, 86% 1985, 84% avg. Sorghum mature 64%, 81% 1985, 83% avg.; harvested for grain 6%, 8% 1985, 24% avg. Livestock good; range, pasture fair to good.

FLORIDA: Light winds, minimum cloudiness, temperatures 90° or above most of State, kept conditions hot, dry. Thunderstorms brought temporary relief only to a few spots as high pressure continued to suppress rainfall while enhancing hot temperatures.

Soil moisture short, improved central, some northern areas late week. Peanut harvest active, yields low. Cotton harvest increased. Soybeans good, light harvest underway. Hay harvest active, quality low. Sugarcane good to excellent. Pastures good to excellent south, improving central, poor to fair north. Haymaking active. Cattle excellent south, good central, mostly fair elsewhere. Citrus groves generally good to excellent despite continued above normal temperatures. Some growing areas received rain midweek but irrigation continued to maintain surface moisture. Some grapefruit, early oranges showed good color break; picking for fresh fruit continued to increase. Varieties being packed include Hamlin, Navel oranges, seedless grapefruit, K-Early citrus fruit, Robinson tangerines. Caretakers continued mowing, disking cover crops.

Weather mostly dry, hot over vegetable areas. Daytime highs 90s, nighttime lows 70s. Irrigation active. Crops continued mostly good. Harvest fall crops increasing. Supplies available include Pompano eggplant, green peppers, cucumbers; west central cucumbers, squash, tomatoes; central sweet corn, radishes; Quincy tomatoes.

GEORGIA: Wet across northern half. Rainfall 1.00 to 3.00 in. Central, south rainfall widely scattered, lighter. Amounts mostly under 0.50 in. with over 1.00 in. only local areas. Temperatures 1 to 2° above normal north, some higher elevations near normal, 3 to 6° above normal central, south. Warmest highs near 80s mountains to mid 90s south with coolest lows 40s mountains to low 60s extreme south.

Days suitable for fieldwork 5.4. Soil moisture 30% very short, 57% short, 12% adequate, 1% surplus. Cotton 13% very poor, 24% poor, 58% fair, 5% good. Sorghum grain 3% very poor, 27% poor, 64% fair, 6% good; 57% harvested. Peanuts 5% very poor, 22% poor, 54% fair, 17% good, 2% excellent; 52% dug, 97% 1985, 89% avg.; 40% threshed, 92% 1985, 79% avg. Soybeans 11% very poor, 34% poor, 52% fair, 3% good. Rye 22% planted, 32% 1985, 21% avg. Other small grains 2% planted, 21% 1985, 16% avg. Apples 5% very poor, 30% poor, 45% fair, 20% good; 82% harvested, 91% 1985, 91% avg. Pecans 4% very poor, 11% poor, 65% fair, 20% good; 2% harvested, 4% 1985, 1% avg. Pasture 6% very poor, 27% poor, 57% fair, 10% good. Hay 5% very poor, 23% poor, 59% fair, 13% good. Cattle 5% poor, 64% fair, 31% good. Hogs 2% poor, 39% fair, 59% good. Main activities: Haying, harvesting, planting as weather permitted.

HAWAII: Conditions variable. Mostly sunny mornings, light afternoon showers windward, mountain areas. Winds northeasterly 10 to 20 mph turned light, variable, caused some heavier showers interior sections. Voluntary water restrictions parts of Maui County. Temperatures ranged mid 60s to low 90s. Rainfall ranged none to 2.10 in.

Days suitable for fieldwork 7.0. Sugarcane harvesting active. Condition banana, papaya orchards good, harvesting active. Condition leafy vegetables improving.

IDAHO: Temperatures northern, south central 1 to 4° above normal. Southwest, east 1 to 4° below normal. Precipitation below normal throughout State.

Days suitable for fieldwork 7.0. Harvest of potatoes, sugarbeets, onions, dry beans active. Potato harvest advancing rapidly, Eastern portion nearly complete. Onion harvest improved, drier conditions helpful to storage crop. Seeding of winter wheat active throughout State. Livestock good. Hay cutting active.

ILLINOIS: Temperatures averaged 1 to 2° above normal northwest and 2 to 5° below normal over rest of State. Precipitation none to 1.63 in. Heaviest northwest, west, southwest.

Days suitable for fieldwork 4.3. Soil moisture 33% adequate, 67% surplus. Pasture 11% fair, 58% good, 31% excellent. Major farm activities: Harvesting corn, soybeans, sorghum.

INDIANA: Temperatures averaged below normal over most of State, in 60s to mid 70s. Lows into 30s. Precipitation lighter than normal with some dry sunny weather late week. Totals under 0.50 to 0.85 in.

Fieldwork averaged 3.9 days. Topsoil moisture 1% short, 61% adequate, 38% surplus. Subsoil moisture 7% short, 66% adequate, 27% surplus. Corn 21% moisture content, soybeans 14% moisture content. Soybeans 90% mature, 93% 1985, 91% avg. Rye 35% seeded, 55% 1985, 65% avg. Wet field conditions continued to slow harvest activities throughout State. Wheat fair to mostly good. Pasture fair to mostly good.

IOWA: Cool, wet week. Sunny early midweek followed by late week rains, snow flurries, cooler temperatures.

Days suitable for fieldwork 4.3. Topsoil moisture 43% adequate, 57% surplus; subsoil moisture 52% adequate, 48% surplus. Corn lodging 8% none, 59% light, 30% moderate, 3% heavy; ear droppage 7% none, 67% light, 26% moderate. Corn harvest some progress, slowed weekend. Soybeans lodging 7% none, 61% light, 30% moderate, 2% heavy; shattering 23% none, 55% light, 21% moderate, 1% heavy. Soybean harvest good progress, slowed weekend. Soybeans mature 96%, 99% 1985, 94% avg. Sorghum harvest 7%, 14% 1985, 28% avg. Winter wheat seeded 43%, 53% 1985, 70% avg. Fall tillage 3%, 5% 1985, 9% avg; fall fertilizer application 2%, 4% 1985, 8% avg. Livestock mostly good; some foot rot. Pasture mostly good.

KANSAS: Temperatures across State cooler than normal last week. Average 52° northwest to 59° southeast, 3 to 6° below normal. Precipitation less than 1.00 in. except north central 1.63 in. where thunderstorms dumped over 3.50 in. of rain one county. Eastern third less than 0.25 in., rest of State except north central averaged 0.33 to 0.75 in.

Days suitable for fieldwork 3.0. Soil moisture 13% short, 41% adequate, 46% surplus. Rain, cool weather delay harvest fall crops, wheat seeding. Sorghum harvest little progress, behind schedule. Extensive sprout damage eastern counties; 2% very poor, 7% poor, 8% fair, 27% good, 56% excellent. Corn harvest fair progress west, central slow east. Some sprouting east; 2% poor, 9% fair, 30% good, 59% excellent. Soybean harvest little progress east, behind schedule for State. Extended wet weather causing delays, sprouting in pod; 2% very poor, 12% poor, 14% fair, 31% good, 41% excellent. Wheat seeding fair progress, on schedule. Reseeding necessary many areas. Moisture adequate to establish stands, sustain early fall growth. Emergence ahead schedule. Range, pasture good to excellent except west fair to poor.

KENTUCKY: Mild temperatures, few showers. Mean temperatures averaged upper 50s, 4 to 6° above normal. Rainfall light with average amounts of 0.75 in. west to around 0.25 in. central, east.

Days suitable for fieldwork 5.2. Soil moisture 2% very short, 39% short, 59% adequate. Flooding west. Corn for grain harvest active, lags 1980 record pace by 2 points. Soybean harvest accelerating; 2% poor, 37% fair, 61% good. Housed tobacco good. Burley stripping 8% complete, 8% 1985, 5% avg. Fall wheat 32% seeded, 32% 1985, 26% avg. Grain sorghum harvest slightly over 50% complete. Pastures fair to good.

LOUISIANA: Temperature 1° below to 4° above normal. Temperature extremes 56°; 95°. Rainfall averaged 0.60 to 2.60 in.

Days suitable for fieldwork 4.0. Soil moisture 15% short, 71% adequate, 14% surplus. Soybeans 89% leaves turning color, 90% 1985, 89% avg. Sugarcane good; 98% planted, 85% 1985, 90% avg. Sugarcane 1% harvested, 3% 1985, 4% avg. Sweetpotatoes 87% harvested, 77% 1985, 79% avg. Pecans 2% harvested, 1% 1985, 2% avg. Wheat 7% planted, 5% 1985, 10% avg.; 3% emerged, 1% 1985, 4% avg. Hay final cutting 95% complete, 93% 1985, 92% avg. Vegetables fair; pasture, livestock fair to good. Main activities: Baling hay; harvesting sweetpotatoes, soybeans, cotton; planting sugarcane, wheat, winter pastures.

MARYLAND & DELAWARE: Maryland: Temperatures averaged 3° above normal over State; lowest temperature 28° Oakland; highest temperature 89° Chestertown, Snow Hill. Precipitation averaged 0.20 in., ranging from a trace Baltimore Airport to 0.99 in. Cumberland.

Days suitable for fieldwork 6.7. Topsoil moisture very short to short. Subsoil moisture mostly very short. Field corn fair. Field corn 62% harvested, 67% 1985, 63% avg.; 94% corn for silage harvested, 100% 1985, 99% avg. Soybeans fair. Soybeans 12% harvested, 11% 1985, 16% avg. Tobacco good. Tobacco 96% harvested, 4% stripped. Small grains fair. Small grains planted: Wheat 19%, 58% 1985, 37% avg.; barley 45%, 71% 1985, 66% avg.; rye 48%, 67% 1985, 60% avg.; oats 5%, 57% 1985, 46% avg. Apples 75% harvested, 90% 1985, 81% avg. Apples good. Pasture poor to fair. Hay supplies very short to short.

Delaware: Temperatures averaged 2° above normal over State; lowest temperature 34° Georgetown; highest temperature 90° Dover. Precipitation averaged 0.08 in., ranging from 0.01 in. Wilmington to 0.22 in. Middletown.

Days suitable for fieldwork 7.0. Topsoil moisture very short to short. Subsoil moisture very short to short. Field corn mostly fair. Field corn 69% harvested, 83% 1985, 73% avg.; 100% corn for silage harvested. Soybeans fair. Soybeans 85% shedding leaves, 78% 1985, 72% avg.; 8% harvested, 5% 1985, 10% avg. Small grains poor to fair. Small grains planted: Wheat 9%, 10% 1985, 12% avg.; barley 22%, 32% 1985, 53% avg. Apples 75% harvested. Apples good. Pasture poor. Hay supplies short.

MICHIGAN: Temperatures ranged 4 to 6° below normal. Temperature extremes 23°; 74°. Precipitation ranged from none to 2.10 in. across State.

Days suitable for fieldwork 2.0 Soil moisture 5% adequate, 95% surplus. Corn 75% mature, 95% 1985, 95% avg.; 3% harvested, 5% 1985, 10% avg. Soybeans 95% shedding, 98% 1985, 100% avg.; 2% harvested, 10% 1985, 20% avg. Winter wheat 10% planted, 60% 1985, 65% avg.; 5% emerged, 15% 1985. Dry beans 10% harvested, 90% 1985, 80% avg. After 4 weeks rain, State had more rain free days than rainy days. Corn for grain, silage, soybean, dry bean harvest active well drained fields. Some wheat planting accomplished. Fruit, vegetable harvest interrupted by showers, muddy fields. Apple grape harvest slow pace. Vegetables hand harvested.

MINNESOTA: Temperatures averaged 4 to 7° below normal for State. Temperature extremes 20°; 80°. Precipitation averaged 0.33 to 1.21 in. above normal east central, south central, southeast; near normal to 0.27 in. below normal elsewhere. Greatest weekly total 2.36 in.

Days suitable for fieldwork 4.4. Topsoil moisture 1% short, 47% adequate, 52% surplus. Fall field activity full swing despite showers, wet soils. Scattered areas northern half of State reported first killing frost of season. Sugarbeet harvest temporarily restricted because of low temperatures. Plowing, tilling pretty well caught up to normal. Some corn, soybean fields damaged from wet conditions. Corn sprouting, swollen kernels, showing mold southeastern part State. Soybeans badly lodged, showing signs of mold some areas. Field corn 93% mature, 88% 1985, 94% avg.; 6% picked, 5% 1985, 15% avg.; 27% moisture content of grain, 30% 1985, 28% avg. Field corn 66% cut for silage, 68% 1985, 80% avg. Soybeans 96% mature, 91% 1985, 95% avg.; 33% combined, 7% 1985, 33% avg.; 14% moisture content of beans, 17% 1985, 14% avg. Dry edible beans 76% harvested, 60% 1985, 69% avg. Potatoes 87% harvested, 86% 1985, 84% avg. Flax 66% harvested, 54% 1985, 78% avg. Sunflowers 8% harvested, 4% 1985, 18% avg. Winter wheat 92% seeded for 1987 crop, 87% 1985, 96% avg. Rye 88% seeded for 1987 crop, 87% 1985, 97% avg. Sugarbeets 76% harvested, 55% 1985, 40% avg. Small grains, hay 65% stubble plowed, 58% 1985, 73% avg.

MISSISSIPPI: Temperatures 3° below normal to 5° above normal, extremes 37°; 95°. High pressure broke, temperatures returned to more seasonable levels. Rain averaged 3 to 4 days south, 1 to 2 days north. Greatest 7-day total 5.22 in.

Days suitable for fieldwork 4.4, 6.0 1985, 4.0 avg. Soil moisture 11% very short, 49% short, 30% adequate, 9% surplus, 1% excessive. Corn 9% very poor, 25% fair, 53% good, 13% excellent; 99% harvested, 93% 1985, 83% avg. Hay 95% harvested, 94% 1985, 95% avg. Sweetpotatoes 81% harvested, 67% 1985, 62% avg. Peanuts 92% harvested, 90% 1985, 80% avg. Wheat 18% planted, 18% 1985, 17% avg. Pecans 9% harvested.

MISSOURI: Temperatures averaged 2° below normal. Rainfall light, mostly 0.25 to 0.50 in.

Days suitable for fieldwork 2.5. Soil moisture 6% short, 20% adequate, 78% surplus. Harvest resuming after wet weather. Significant reduction in quality of sorghum from wet weather, other crops much less damage. Fall tillage complete 7%, 18% last year, 21% avg. Pasture 5% poor, 21% fair, 60% good, 14% excellent.

MONTANA: South central precipitation 0.20 to 0.75 in., snow in mountains. Central, north central, northeast 0.20 in. rain. Remainder 0.10 in. or less. South central temperatures 3° below normal, southwest and northeast 2° below normal, west 2° above, remainder normal. Hard freeze late in week.

Days suitable for fieldwork 3.2. Topsoil moisture 57% adequate, 43% surplus. Subsoil moisture 3% short, 81% adequate, 16% surplus. Spring wheat harvested 95%, 100% 1985, 100% avg. Barley harvested 90%, 100% 1985, 100% avg. Corn silage harvested 85%, 90% 1985, 90% avg. Sugarbeets harvested 20%, 25% 1985, 35% avg. Potatoes harvested 55%, 45% 1985, 55% avg. Dry beans harvested 85%, 70% 1985, 85% avg. Alfalfa hay 2nd cutting 90%, 90% 1985, 98% avg. Cattle moved from summer ranges 55%, 70% 1985, 65% avg. Sheep moved from summer ranges 60%, 80% 1985, 70% avg.

NEBRASKA: Amounts averaged from 0.50 in. west to 5.00 in. southeast. Snowfall west, flooding southeast. Temperatures ranged 5 to 7° below normal. Temperature extremes 20°; 81°.

Days suitable for fieldwork 4.2. Topsoil moisture 2% short, 49% adequate, 49% surplus. Subsoil moisture 4% short, 71% adequate, 25% surplus. Corn good to excellent. Corn producers harvesting fields damaged by stalk rot, corn borer early to limit field losses. Soybeans mostly good. Sorghum good to excellent. Winter wheat mostly good. Heavy rains caused soil erosion southeast. Pasture, range feed supplies mostly adequate. Cattle producers taking advantage of above normal feed supplies leaving stock on pasture longer.

NEVADA: High pressure system produced pleasant fall weather north, central. Weak low pressure system brought occasional cloudiness, scattered showers, thunderstorms extreme south. Central, northern areas dry throughout week. Temperatures averaged slightly below normal beginning of period, warmed to above normal midweek, dropped sharply end of period.

Clear skies allowed good progress digging remaining potato acreage; planting garlic, winter grains. Hay harvest windup stage. Most cattle on low elevation ranges.

NEW ENGLAND: Temperatures averaged 6 to 10° below normal. Hard frost all but extreme south,

coastal areas. Precipitation averaged 0.25 to 0.50 in. northeast Vermont, northern Maine, New Hampshire; trace to 0.25 in. elsewhere.

Days suitable for fieldwork 6.0. Soil moisture 60% adequate, 40% surplus. Grazing availability 25% short, 75% adequate. Fieldwork progress 1 week late north, on schedule south. Maine potatoes 70% dug, 95% 1985, 90% avg. Rhode Island potatoes 100% picked, 95% 1985, 98% avg. Connecticut, Massachusetts potatoes 60% harvested, 65% 1985, 90% avg. Field corn 60% chopped, 75% 1985, 80% avg. Maine oats 80% combined, 100% 1985, 100% avg. Sweet corn harvest complete. Second crop hay harvest complete. Third crop 80% cut, 90% 1985. Apples 80% picked, 75% 1985. Cranberries 35% picked; excellent color. Major farm activities: Chopping corn, cutting hay, harvesting apples, cranberries, potatoes, oats, seeding cover crops.

NEW JERSEY: Temperatures averaged much below normal. Extremes 24°; 80°. Rainfall averaged none north, central, south. Only trace amounts of precipitation several locations. Estimated soil moisture percent field capacity averaged 80% north, 67% central, 66% south. Four inch soil temperatures averaged 53° north, 57° central, 58° south.

Fieldwork active. Activities included harvesting fall vegetables, apples, Irish potatoes, sweetpotatoes, cranberries, pumpkins, ornamental gourds, Indian corn. Corn silage making neared completion. Combining of soybeans, corn for grain became general. Grain, cover crop seeding continued. Early seeded fields continued to grow well. Pasture growth normal.

NEW MEXICO: Weekly average temperatures 5 to 8° below normal entire State. Temperatures 20° northern mountains to 83° southeastern plains. First major snow storm central mountains. Precipitation statewide, amounts 0.12 in. southern desert to 3.10 in. central highlands.

Days suitable for fieldwork 5.6. Soil moisture 83% adequate, 17% surplus. Hail damage 89% none, 11% light. Alfalfa 9% poor, 36% fair, 55% good. Cotton 17% fair, 83% good. Corn 11% poor, 11% fair, 78% good. Barley 100% good. Irrigated grain sorghum 14% fair, 86% good. Dryland grain sorghum 33% fair, 67% good. Pecans 25% fair, 75% good. Cattle 17% fair, 83% good. Sheep 11% fair, 89% good. Range 33% fair, 59% good, 8% excellent.

NEW YORK: Unseasonably cool, dry week. Temperatures averaged 7 to 9° below normal. Rainfall averaged 0.25 to over 0.50 in. below normal most areas.

Days suitable for fieldwork 4.0. Soil moisture surplus to excessive. Corn good. Corn silage 43% harvested, 56% 1985, 61% avg. Third cutting alfalfa 75% complete, 82% 1985, 81% avg. Many acres now being green chopped. Pastures mostly good. Dry bean harvest stalled due to wet weather. Harvest of Ida Red, Rome apples active. Apple drop significant. Concord grape harvest virtually complete. Berry splitting common.

NORTH CAROLINA: Temperatures averaged 3 to 5° below normal, Mountain Region; 1 to 3° above normal, remainder of State. Temperature extremes 40°; 97°. Precipitation ranged from 0.04 to 2.51 in.

Days suitable for fieldwork 5.7. Soil moisture 42% very short, 54% short, 3% adequate, 1% surplus. Corn grain harvest average. Corn silage harvest nearly completed. Cotton fair to good, harvest slightly behind average. Soybeans mostly fair, leaves dropping. Sorghum 3% very poor, 22% poor, 66% fair, 9% good; harvested 47%, 60% 1985, 59% avg. Flue-cured tobacco, burley tobacco harvest nearly complete. Peanuts 33% fair, 67% good; dug 73%, 70% 1985, 57% avg.; threshed 54%, 52% 1985, 40% avg. Sweetpotatoes 58% fair, 39% good, 3% excellent; harvested 48%, 60% 1985, 57% avg. Apples harvested 77%, 80% 1985, 80% avg. Pasture 5% very poor, 34% poor, 48% fair, 13% good. Major farm activities: Harvesting tobacco, hay, corn, vegetables, apples, cotton, sorghum; cutting corn silage; spraying cabbage; marketing tobacco; digging sweetpotatoes; digging, threshing peanuts; tending livestock; mowing; land preparation; planting small grains; defoliating cotton; cutting firewood; general farm maintenance.

NORTH DAKOTA: Temperatures below normal. Ranging from 1° below normal south central to 6° below normal north central. Low 18° northeast 9th. High 74° several locations 6th. Most stations received some precipitation last week. Precipitation light, highest 0.35 in. northwest. Snow flurries many locations weekend.

Days suitable for fieldwork 4.1. Topsoil moisture supplies better than last year and normal; specifically 96% adequate, 4% surplus. Drier, cooler weather allowed good harvest progress on dry beans, flax, soybeans, potatoes, sugarbeets. Harvest progress lags normal for all crops except potatoes, sugarbeets. Harvest progress: Hard red spring wheat 93%, 96% 1985, 99% avg.; durum 89%, 88% 1985, 98% avg.; flax 55%, 61% 1985, 85% avg.; dry edible beans 62%, 52% 1985, 80% avg.; soybeans 30%, 30% 1985, 53% avg.; sunflower 5%, 2% 1985, 17% avg.; corn 7%, 5% 1985, 31% avg. Potatoes dug 95%, 73% 1985, 84% avg. Sugarbeets lifted 84%, 69% 1985, 47% avg.

OHIO: Average high temperatures mid 60s, 2 to 4° subnormal. Average low temperature upper 30s to mid 40s, close to normal. Precipitation ranged 0.06 to 0.74 in. Soil temperatures near normal in 50s to low 60s.

Fieldwork 4.0 days suitable. Soil moisture 2% short, 50% adequate, 48% surplus. Field activity limited by saturated soils. Corn, soybean harvest, wheat seeding slow. Corn stalks deteriorating, some lodging; grain sprouting in wettest areas. Some mold in soybean. Winter wheat seeding late, waiting on harvest. Some fields seeded from air. Hay, pastures fair to good.

OKLAHOMA: Temperatures averaged normal Panhandle, north central to 7° below normal west central. Precipitation averaged 0.59 in. Panhandle to 1.35 in. southeast.

Days suitable for fieldwork 2.0. Topsoil moisture 10% short, 30% adequate, 60% surplus. Subsoil moisture 10% short, 90% adequate. Parts of Panhandle, southeast need rain. Wheat 7% poor, 50% fair, 40% good, 3% excellent; 65% planted, 70% 1985, 60% avg.; 40% emerged, 35% 1985, 30% avg. Dry, sunny weather needed for seeding. Cotton 7% poor, 50% fair, 43% good; 45% open bolls, 85% 1985, 75% avg.; 1% harvested, 10% 1985, 5% avg. Rain, cloudy weather slowed cotton development. Pastures good; providing ample forage. Cattle good; marketings, prices steady.

OREGON: Warm days, slightly cooler than normal overnight lows. Average temperatures 2 to 4° above normal, except northeast 1° below normal. State dry except traces of precipitation middle, south coast.

Soil moisture 2% short, 98% adequate. Field preparation, fall grain seeding progressed rapidly. Planted ryegrass for seed Willamette Valley. Silage corn harvest nearly completed southwest, Hermiston area. Grain corn harvest underway Hermiston, Malheur County. Crimson clover planted, emerged; finished combining Red clover seed Willamette Valley. Many growers racing to wrap up haying activities during Indian summer. Dry bean harvest neared completion Malheur County, full swing western areas. Sugarbeets harvested Malheur County. Lily bulb harvest continued southern

coast. Pear harvest essentially completed all areas. Apple harvest completed Milton-Freewater, picking of late varieties continued other areas. Filbert harvest underway Willamette Valley. Wine grape harvest full swing, rain cracked some grapes, later varieties matured nicely with dry weather. Pruning, training, fall root rot spraying on caneberries. Cranberry harvest about one-third completed, good harvest weather. Color excellent, fruit sizes good to excellent on hybrid varieties, small to adequate on McFarlin. Potato harvest progressed rapidly all areas. Onion harvest neared completion all areas. Late sweet corn for processing harvested west. Cauliflower harvested Willamette Valley. Carrots harvested Milton-Freewater area. Livestock, range, pasture mostly good. Regrowth, new seedings very green, growing rapidly. Cattle movement off public allotments continued. Early sales of calves started.

PENNSYLVANIA: Mainly cool, dry autumn weather prevailed over State last week. Two rather strong cold fronts affected State. Average temperature 49°, 6° below normal. Temperature extremes 24°; 83°. Average precipitation 0.04 in., 0.64 in. below normal.

Days suitable for fieldwork 5.0. Soil moisture 7% short, 83% adequate, 10% surplus. Corn 85% mature, 19% harvested; 1985 78% mature, 16% harvested; avg. 75% mature, 12% harvested. Corn 1% very poor, 4% poor, 17% fair, 49% good, 29% excellent. Ensilage corn harvested 83%, 82% 1985, 80% avg. Soybean harvest 18% complete, 18% 1985, 20% avg. Soybeans 4% poor, 17% fair, 54% good, 25% excellent. Potato harvest 88% complete, 90% 1985, 88% avg. Apple harvest 80% complete, 74% 1985. Grape harvest 79% complete, 86% 1985. Fall plowing 85% complete, 87% 1985. Fall barley planting 91% complete, 84% 1985. Fall wheat planting 72% complete, 69% 1985. Third cutting alfalfa 98% complete, 100% 1985. Fourth cutting alfalfa 72% complete, 68% 1985. Quality of hay made good to fair. Amount of feed being obtained from pastures average to below average. Activities: Making hay, haylage; harvesting soybeans, corn, apples, grapes, corn silage, potatoes, other vegetables; fall plowing; fall planting wheat, barley, alfalfa.

PUERTO RICO: Island average rainfall 1.94 in., 0.11 in. above normal. Highest weekly total 6.35 in. Highest 24-hour total 3.20 in. Temperature averaged about 80 to 81° on coasts, 75 to 77° interior divisions. Mean station temperature ranged from 68 to 80°. Extremes 52°; 93°. Total rainfall 1.89in., 0.49 in. above normal.

SOUTH CAROLINA: Daily temperatures averaged near seasonal means. Rainfall across State brought much needed relief. Rain varied from 0.50 in. along Coast to 4.00 in. midlands.

Days available for fieldwork 4.3. Soil moisture 24% very short, 45% short, 26% adequate, 5% surplus. Cotton open bolls 97%, 100% 1985, 100% avg.; 26% harvested, 61% 1985, 45% avg.; 32% very poor, 49% poor, 12% fair, 7% good. Soybeans leaves turning 73%, 76% 1985, 77% avg.; 38% leaves shedding, 44% 1985, 44% avg.; 31% mature, 22% 1985, 18% avg.; 5% harvested, 3% 1985, 2% avg.; 8% very poor, 56% poor, 36% fair. Tobacco harvested 100%; 75% stalks destroyed, 84% 1985, 84% avg. Peanuts fair; 25% harvested, 59% 1985, 68% avg. Corn poor; 96% harvested, 95% 1985, 95% avg. Apples fair to good; 78% harvested, 91% 1985, 91% avg. Pastures fair; hay fair. Rains, cooler weather helped growing crops considerably.

SOUTH DAKOTA: Average temperatures 3° below normal statewide. Extremes 14°; 82°. Camp Crook 14°. Rainfall scattered, below normal. Over 1.00 in. southeast, northern Black Hills; less than 0.30 in. remainder.

Days suitable for fieldwork 3.5. Topsoil moisture surplus eastern one fourth, southwest corner, adequate remainder; 59% adequate, 41% surplus. Crops good to excellent. Winter wheat, rye seeding progressing. Warm, dry weather needed to mature crops, dry muddy fields. Silage cutting continued; grain harvest began. Range, pastures, livestock good to excellent. Feed, stockwater supplies adequate to surplus.

TENNESSEE: Temperatures averaged 3 to 9° above normal. Precipitation greatest east. Amounts up to 3.00 in.

Days suitable for fieldwork 5.7. Soil moisture 15% very short, 54% short, 31% adequate. Corn 70% harvested, 65% 1985, 50% avg. Burley tobacco 95% harvested, 100% 1985, 100% avg.; dark fired 95% harvested, 100% 1985, 100% avg.; dark air-cured 95% harvested, 100% 1985, 100% avg. Wheat 20% seeded, 20% 1985, 25% avg. Cattle fair to good. Pastures mostly fair to good. Excellent cotton harvest progress.

TEXAS: Week started weak surge cool air, over running showers light north, south 13th. West skies began clear early week, warm conditions prevailed through midweek. Weekend, first major cold front tracking through Panhandle, High Plains 11th. Behind front, first freezing temperatures Panhandle, Northern South Plains. Blustery, wet weather elsewhere. Temperatures averaged below normal. Rainfall about normal except north central, amounts slightly below normal.

Crops: Corn not harvested High Plains again slowed by rain late last week. Wet ground hampered final harvest past few weeks. Some additional lodging occurred because wet ground, windy conditions. Despite delay, yields holding good levels. Grain sorghum use some sunny, open weather finish maturing, allow operators move along with harvest. Fields Plains sprouting with mold, smut problems. Rain hurt many fields causing lodging. Most harvest completed Hill Country. Turning color 97%, 100% 1985, 99% avg. Cotton continued deteriorate Plains because additional rain, colder temperatures. Bolls not opening, some plants killed by freezing conditions last week. Quality also declining remaining fields Hill Country, central, east. Most harvest completed east, Upper Coast. Harvest operations stalled Blacklands. Defoliation operations began Trans-Pecos, quality also declining. Small grains planted receiving good moisture, emerging, showing good stands. Seeding slow most areas past couple weeks because of wet conditions. Armyworms continued populate fields Blacklands, central. Planting operations should increase rapidly dry conditions return. Some replanting necessary Low Plains because heavy rain. Peanut harvest delayed most areas State last week. Early yields Cross-Timbers good, outlook better yields. Rains should help yield prospects south central. Harvest should begin Low Plains as ground dries. Harvested 28%, 27% 1985, 29% avg. Soybeans continued receive rain High Plains, not very beneficial. Wet fields Upper Coast slowed harvest. Yields poor to fair. Harvested 38%, 20% 1985, 20% avg. Sugarbeet harvest continued High Plains good yields, recent, persistent delayed operations. Sugarcane harvest getting underway Rio Grande Valley small basis. Other crops harvested: Sunflowers 29%, 46% 1985, 43% avg. Sugarbeets 13%, 6% 1985, 16% avg. Pecans 14%, 2% 1985, none avg. Other crops planted: Oats 57%, 45% 1985, 47% avg.

Commercial Vegetables: Rio Grande Valley, harvest some cucumbers occurring despite wet conditions. Tomatoes, peppers putting on fruit. Some spraying celery occurring. Harvest early oranges underway, grapefruit harvest begin soon. Cooler temperatures, rain helped sizing. San Antonio-Winter Garden, movement vegetables slow. Most fall crops good progress. East, sweetpotato

harvest slow because wet conditions. Other vegetables good progress. High Plains, harvest slow carrots, cucumbers, peppers, pumpkins. Trans-Pecos, planting slow. Bell, chili pepper harvest slow. Pecans began fall many areas. Harvest underway south to Cross-Timbers. Rainy weather hampered operations. Nuts shuck split stage Trans-Pecos. Harvesting ahead of schedule most areas.

Range and Livestock: Rains continued improve conditions over State. Many areas enjoying best conditions in long time. Grazing potential good. Armyworms plagued some small grain pastures. Livestock enjoying good grazing conditions, showing good gains. Market steady. Prices good. Many stockers moved onto good small grain pastures.

UTAH: Temperatures 1 to 5° below normal. Precipitation generally light.

Days suitable fieldwork 5.2. Topsoil moisture 72% adequate, 28% surplus. Winter wheat 87% seeded, 78% 1985, 81% avg. Corn 78% mature, 80% 1985, 85% avg.; 14% harvested, 23% 1985; corn silage 76% harvested, 88% 1985, 83% avg. Alfalfa 4th cutting 39% harvested, 19% 1985. Apples 81% harvested, 50% 1985, 56% avg. Onions 69% harvested, 87% 1985, 76% avg. Potatoes 69% harvested, 64% 1985, 70% avg. Movement from summer range cattle 59%, 50% 1985, 57% avg.; sheep 64%, 59% 1985, 69% avg. Livestock generally good.

VIRGINIA: Warm, dry until 13th. Before rain on 13th, temperatures 6° above normal, precipitation 0.25 in. or less. Widespread rain 13th, average 0.75 in.

Days suitable for fieldwork 6.1. Topsoil moisture 92% short, 8% adequate. Rain until end of period should improve moisture. Corn silage harvest 91% complete, 96% 1985, 95% avg. Grain corn harvest 61% complete, 66% 1985, 64% avg. Soybeans hurt by dry September. Harvest 1% complete, 4% 1985, 8% avg. Peanuts 90% dug, 81% 1985, 77% avg. Peanut harvest pace very fast this period. Flue-cured tobacco harvest 88% complete, 96% avg. Burley tobacco harvest 99% complete. Small grain seeding, germination slowed by dryness. Oats 55% seeded, 55% 1985, 65% avg. Barley 34% seeded, 42% 1985, 52% avg. Wheat 15% seeded, 12% 1985, 22% avg. Pastures mostly fair, declining. Late hay cutting. Some fall seeded alfalfa, hay damaged by drought. Feeder cattle sales active. Sweetpotato harvest 94% complete. Irrigated fall vegetables.

WASHINGTON: Mostly clear, cool statewide. Weekly precipitation minimal. Average temperatures 2° below normal to 4° above normal.

Days suitable for fieldwork 6.8. Soil moisture 20% short, 80% adequate. Winter wheat 90% planted, 89% 1985, 84% avg. Winter wheat 68% emerged, 57% 1985, 61% avg. Apple harvest near completion, excellent size and quality. Range, pasture 40% short, 60% adequate.

WEST VIRGINIA: Temperatures below normal. Temperature extremes 24° Greenbank; 82° Creston. Average temperature 54°. Precipitation normal southwest division, below normal elsewhere. Average precipitation 0.33 in.

Days suitable for fieldwork 4.7. Soil moisture 19% very short, 22% short, 57% adequate, 2% surplus. Fall seeding: Wheat 46% complete; barley 78%.

WISCONSIN: Temperatures averaged 48°, 3° below normal, low 20°, high 75°. Killing frost most areas. Rainfall 0.30 to 2.20 in. More dry weather needed.

Days suitable for fieldwork 3.6. Soil moisture 1% short, 20% adequate, 79% surplus. Crops 1% very poor, 1% poor, 10% fair, 72% good, 16% excellent. Corn 1% very poor, 1% poor, 11% fair, 64% good, 23% excellent. Corn mature 86%, 88% 1985, 97% avg. Some corn sprouting, mold, stalk rot due to excess moisture. Corn harvest 3% complete, 8% 1985, 10% avg. Corn silo filling 34%, 46% 1985, 61% avg. Soybean harvest 3% complete, 5% 1985, 14% avg. Some hay cutting for silage. Fall plowing at standstill 10% complete, 14% 1985, 16% avg. Potato harvest nearly over.

WYOMING: Temperatures slightly below normal. Precipitation slightly below normal.

Days suitable for fieldwork 5.0. Topsoil moisture 87% adequate, 13% surplus. Dry beans combined 85%, 85% 1985, 85% avg. Corn for grain dented 45%; mature 50%; harvested 5%, 20% 1985, 25% avg. Corn silage harvested 95%, 90% 1985. Sugarbeets dug 40%, 40% 1985, 35% avg.; average sugar content 15.8%. Potatoes harvested 80%, 60% 1985, 70% avg. Winter wheat planted for 1987 95%, 100% 1985, 95% avg.; emerged 90%, 100% 1985, 90% avg.; mostly good. Winter hay supplies 80% adequate, 20% surplus. Livestock mostly good.

HIGHLIGHTS

CORN FOR GRAIN production is forecast at 8.22 billion bushels, down 7 percent from last year's record crop and down less than one percent from the September 1 forecast. The 90 percent confidence interval for this production forecast is 7.68 to 8.76 billion bushels.

SOYBEAN production is forecast at 1.99 billion bushels, up 1 percent from the September 1 forecast but 5 percent below last year. The 90 percent confidence interval for this production forecast is 1.87 to 2.12 billion bushels.

ALL COTTON production is forecast at 10.0 million bales, a decrease of 5 percent from September 1 and 26 percent below the 1985 crop. The 90 percent confidence interval for this production forecast is 9.1 to 11.0 million bales.

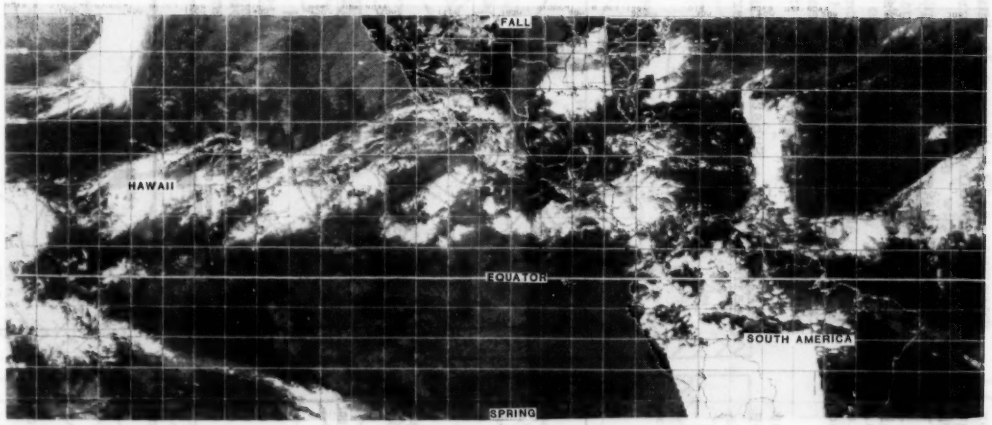
ALL ORANGE production is forecast at 201 million boxes, 14 percent above last season and 27 percent higher than the 1984-85 season.

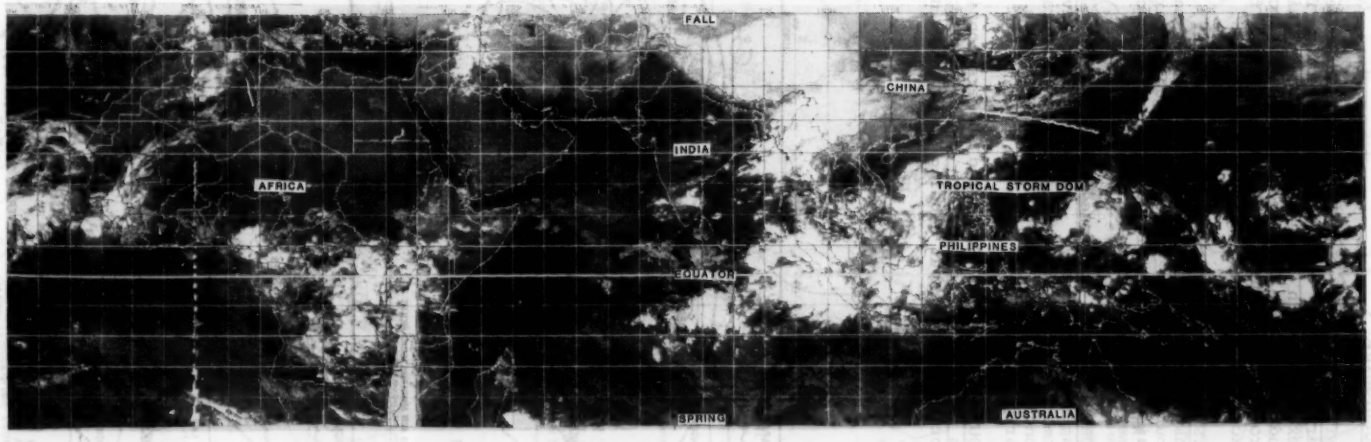
ALL TOBACCO production is forecast at 1.22 billion pounds, down fractionally from September 1, 20 percent below last year's production and the smallest crop since 1936.

PEANUT production is forecast at 3.37 billion pounds, 18 percent below last year and 3 percent below the September 1 forecast.

GLOBAL WEATHER SATELLITE IMAGE

OCTOBER 8, 1986





International Weather and Crop Summary

October 5 - 11, 1986

HIGHLIGHTS:

UNITED STATES ... Precipitation impedes harvest and winter wheat seeding from Texas, through the central Great Plains, and into the Corn Belt. Soybean and corn crops continue to deteriorate from excessive moisture in these areas.

U.S.S.R. ... Unusually cold weather and insufficient moisture in some major southern winter wheat producing areas maintain unfavorable conditions for crop emergence and autumn growth.

EUROPE ... Continued dry weather in England, Hungary, eastern Yugoslavia, Romania, and Bulgaria creates unfavorable conditions for winter grain emergence and early growth.

SOUTH ASIA ... Scattered showers continue in southern and eastern India, benefiting cotton and rice but causing local flooding.

EASTERN ASIA ... Dry weather covers most crop areas. Rain is needed in the North China Plain for winter wheat planting.

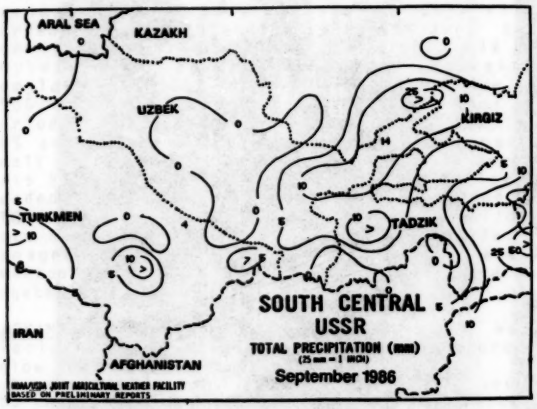
MEXICO ... Showers in the northeast and corn belt slow crop harvesting but favor immature crops. Dryness returns to the northwest and Yucatan peninsula.

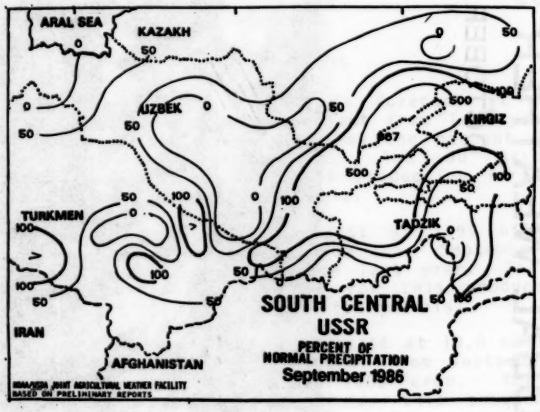
CANADA ... Light precipitation and cold weather continue to hamper crop harvesting.

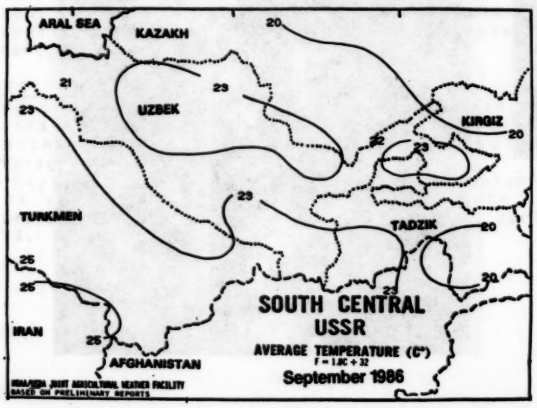
SOUTHEAST ASIA ... Locally heavy showers fall throughout the region, except in central Thailand where dryness persists.

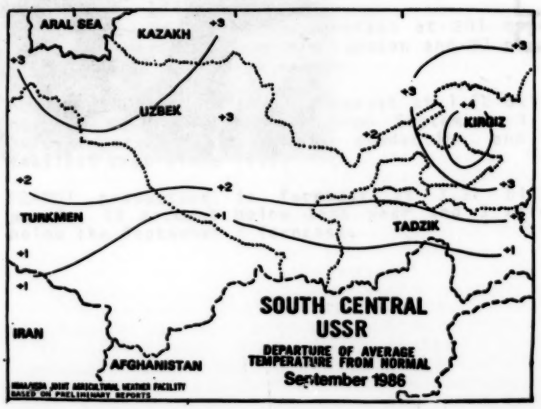
SOUTH AMERICA ... Substantial rain in Argentina and southern Brazil favors summer crop plantings, but dry weather returns to Brazil's moisture-deficient coffee areas.

AUSTRALIA ... Substantial rainfall benefits grain-filling wheat in eastern Australia.

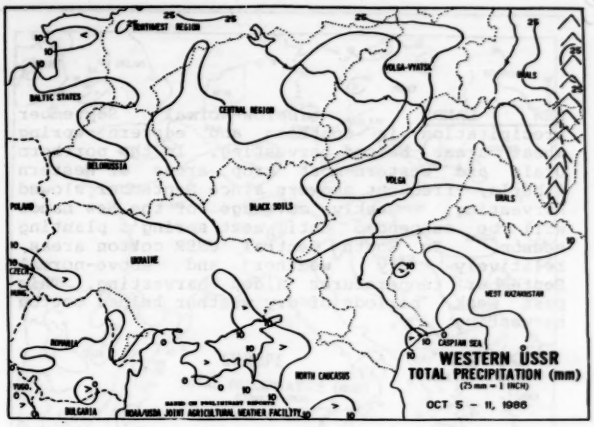


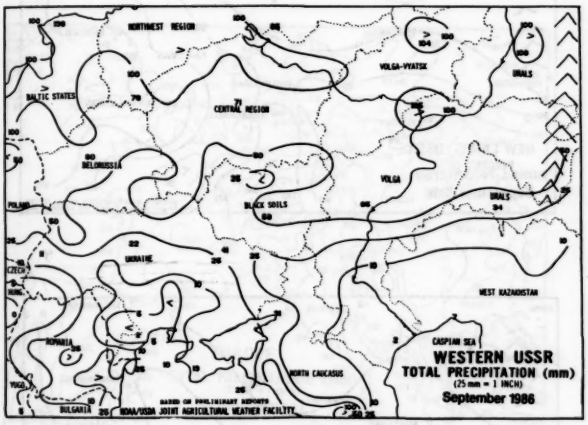


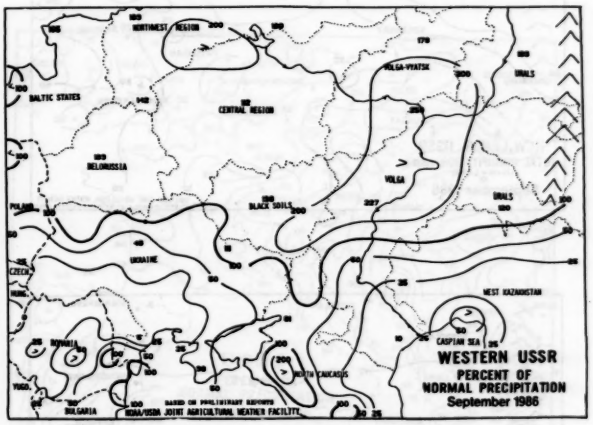


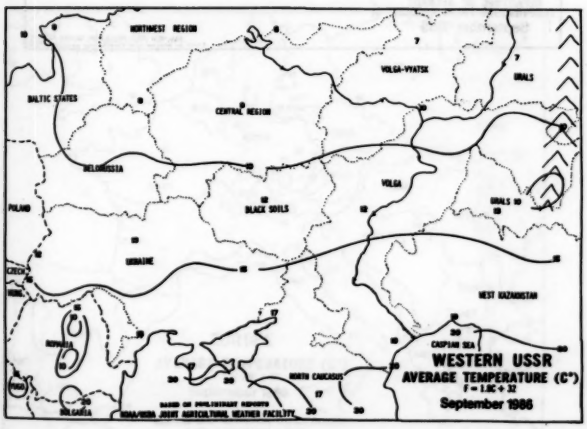


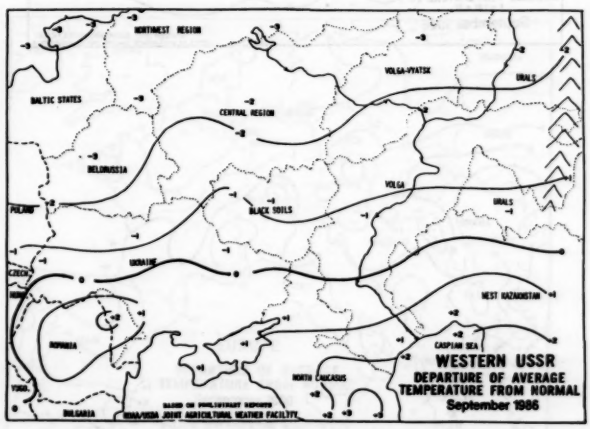
WESTERN U.S.S.R. ... Persistent showers during September covered the Baltics and Belorussia, the Central Region, and the Volga Vyatsk, providing abundant soil moisture for winter grain emergence. However, September temperatures in these areas were below normal, slowing early crop growth. Further south, September precipitation was below normal over much of the Ukraine, North Caucasus, and the lower Volga. The relatively dry weather in these areas allowed crop harvesting and winter grain planting to progress without delay. However, topsoil moisture was too low for uniform seed emergence and plant establishment, especially in the southern Ukraine where cumulative precipitation since August has been less than 50 percent of normal. This past week, unseasonable cool, wet weather continued over northern European USSR, slowing winter grain establishment. Unseasonable cool, dry weather in major southern winter wheat producing areas continued to create unfavorable conditions for crop emergence and early growth.



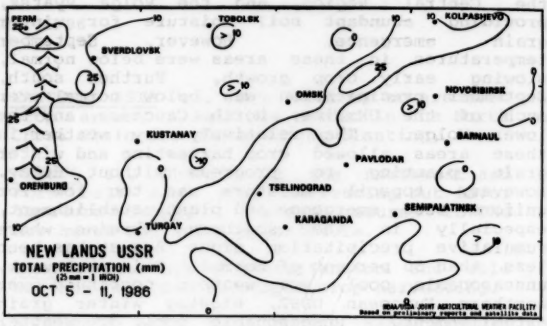


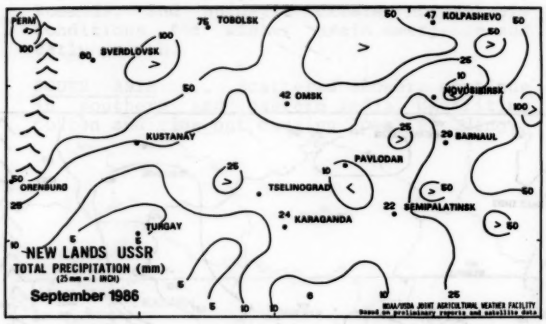


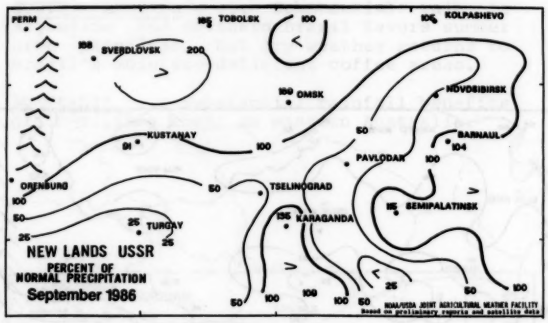


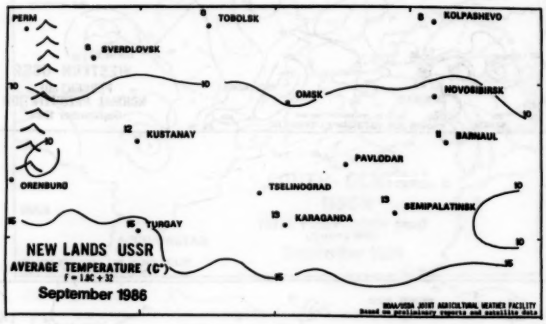


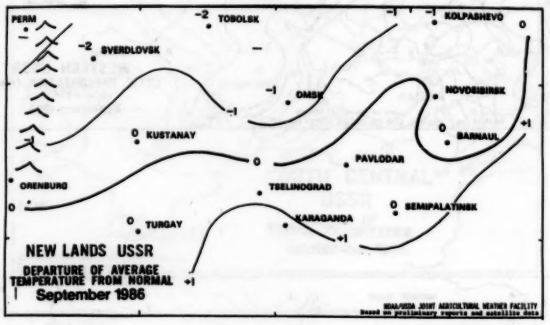
NEW LANDS ... Below-normal September precipitation in southern and eastern spring wheat areas helped harvesting. In the northern Urals and western-most crop areas of Western Siberia, frequent showers since September slowed harvesting. Weekly coverage of the New Lands will be suspended until next spring's planting season. In South Central USSR cotton areas, relatively dry weather and above-normal September temperatures aided harvesting. This past week, periods of dry weather helped cotton harvesting.



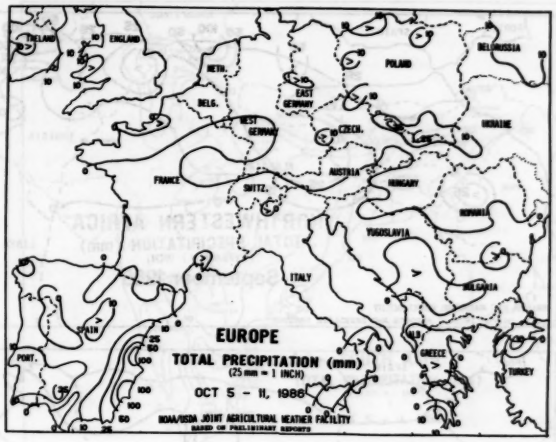


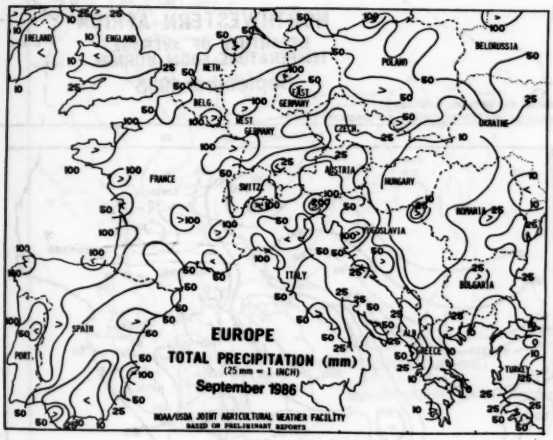


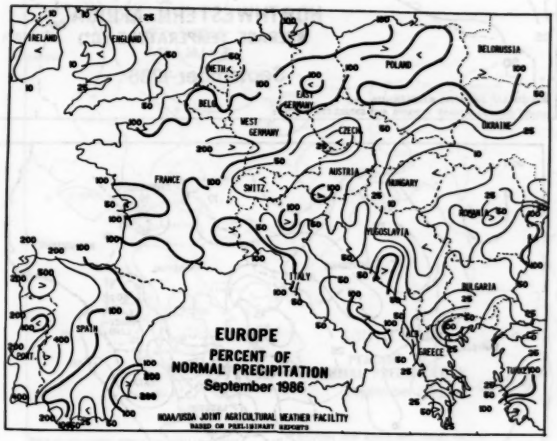


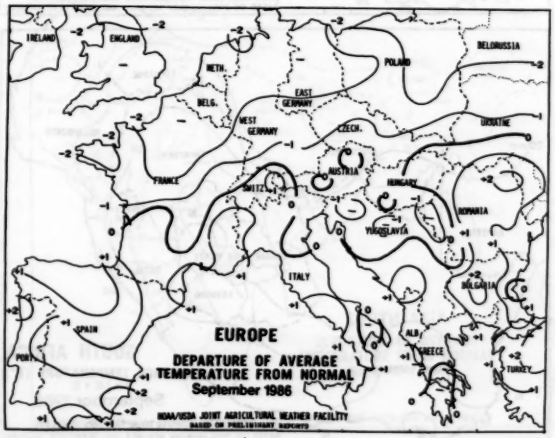


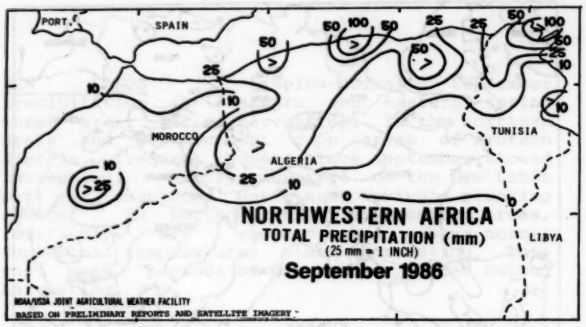
EUROPE ... High pressure continued to keep most areas unseasonably warm and dry. Above-normal September rainfall over winter grain areas in France provided adequate topsoil moisture for planting. In addition, unseasonable warm weather this past week promoted crop emergence and early growth. Dry weather in England since September has created unfavorable conditions for winter grain planting but aided summer crop harvesting. Below-normal September precipitation aided winter grain planting in northern and southern West Germany, Poland, and northern Italy. Rain is needed in these areas for autumn growth. In southeastern Europe, dry weather since September in Hungary, eastern Yugoslavia, Romania, and Bulgaria has created highly unfavorable conditions for winter grain emergence and early growth. In Spain, heavy rains continued over the southeast coast.

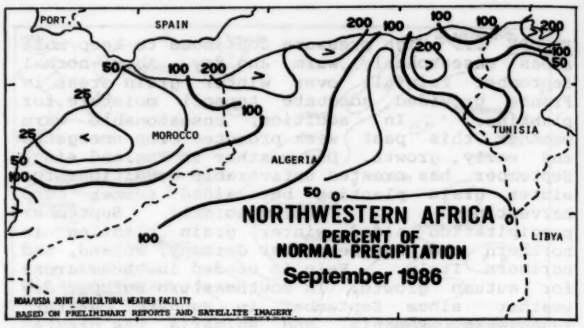


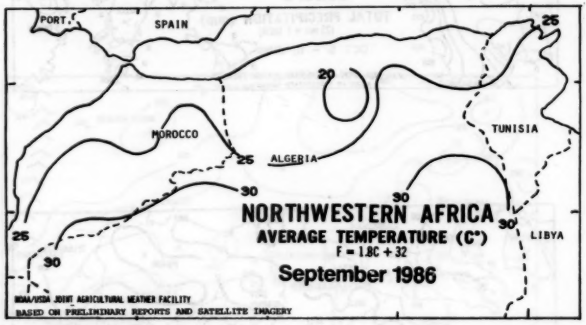


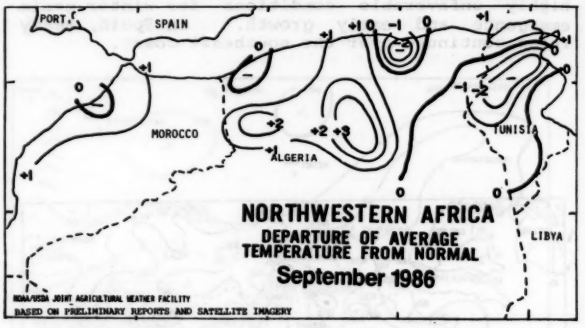


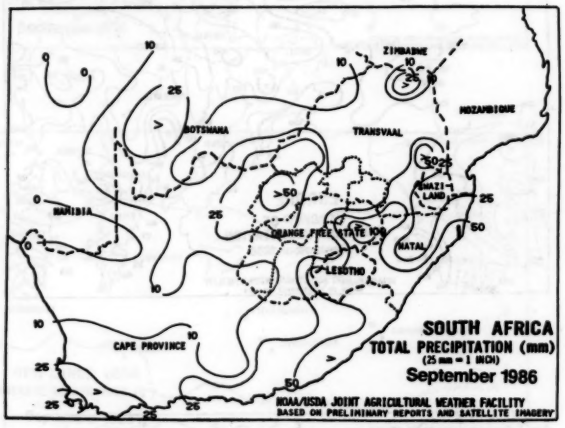


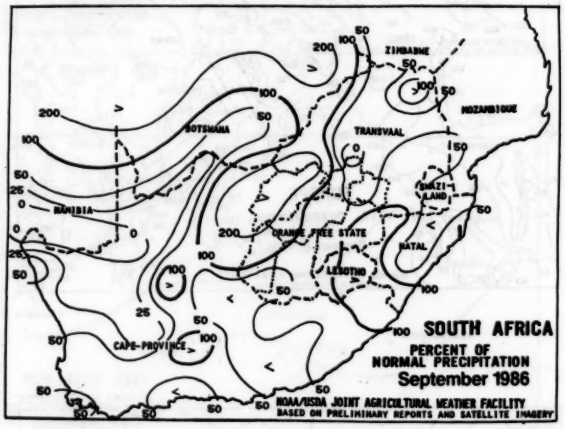

PORT.
SPAIN
MOROCCO
ALGERIA
TUNISIA
LIBYA
NORTHWESTERN AFRICA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

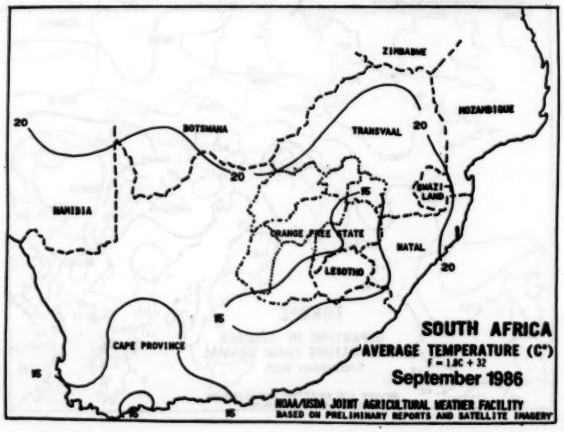

PORT.
SPAIN
MOROCCO
ALGERIA
TUNISIA
LIBYA
NORTHWESTERN AFRICA
PERCENT OF
NORMAL PRECIPITATION
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

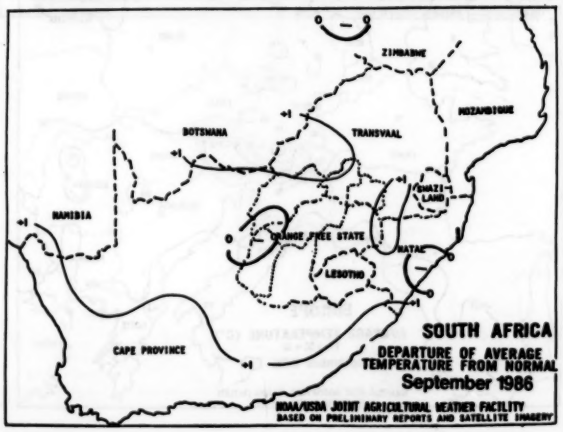

PORT.
SPAIN
MOROCCO
ALGERIA
TUNISIA
LIBYA
NORTHWESTERN AFRICA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


PORT.
SPAIN
MOROCCO
ALGERIA
TUNISIA
LIBYA
NORTHWESTERN AFRICA
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


ZIMBABWE
MOZAMBIQUE
BOTSWANA
TRANSVAAL
NAMIBIA
SWAZI-LAND
ORANGE FREE STATE
NATAL
LESOTHO
CAPE PROVINCE
SOUTH AFRICA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


ZIMBABWE
MOZAMBIQUE
BOTSWANA
TRANSVAAL
NAMIBIA
SWAZI-LAND
ORANGE FREE STATE
NATAL
LESOTHO
CAPE PROVINCE
SOUTH AFRICA
PERCENT OF
NORMAL PRECIPITATION
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


ZIMBABWE
MOZAMBIQUE
BOTSWANA
TRANSVAAL
NAMIBIA
SWAZI-LAND
ORANGE FREE STATE
NATAL
LESOTHO
CAPE PROVINCE
SOUTH AFRICA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY


ZIMBABWE
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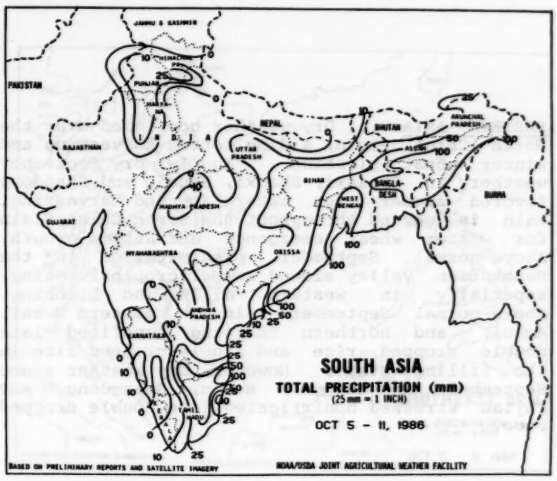
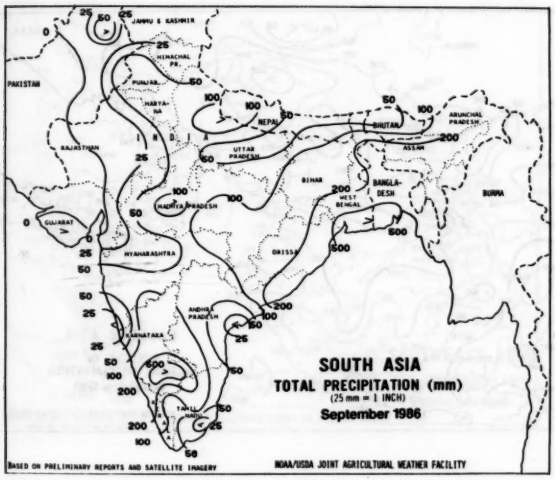
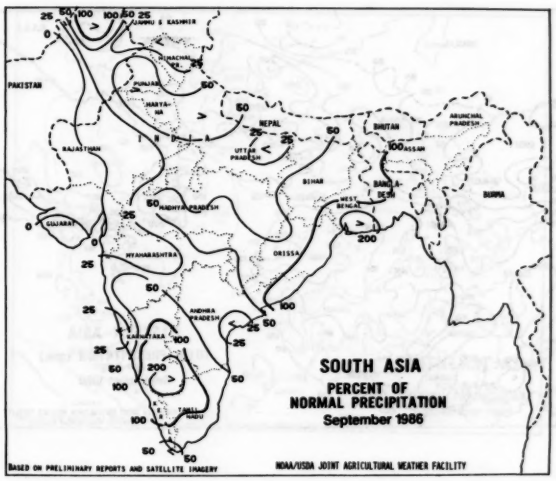
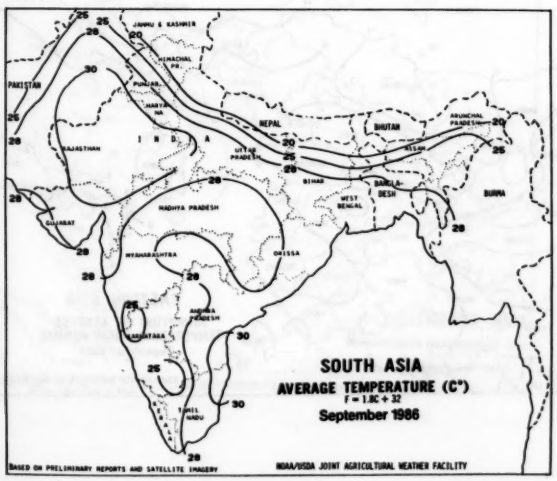
BOTSWANA
TRANSVAAL
NAMIBIA
SWAZI-LAND
ORANGE FREE STATE
NATAL
LESOTHO
CAPE PROVINCE
SOUTH AFRICA
DEPARTURE OF AVERAGE
TEMPERATURE FROM NORMAL
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

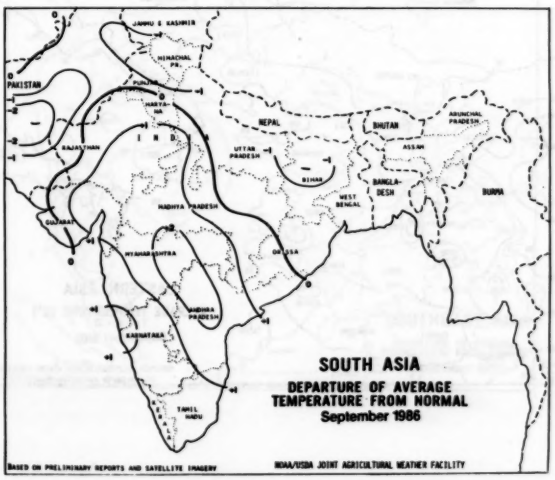
SOUTH ASIA ... Tropical shower activity occurred over southern and eastern India but the west remained dry. Below-normal rainfall has occurred since early July in the northwest. Substantial rain (25 to 75mm) in Tamil Nadu and eastern Andhra Pradesh benefited grain-filling rice and boll forming cotton, but slowed groundnut harvesting. Heavy showers (75 to 183mm) fell in eastern India from extreme northeast Andhra Pradesh through the eastern states, providing abundant moisture for rice but continuing to flood wet areas of West Bengal and Bangladesh. Above-normal September rainfall occurred in southern and eastern areas. Showers in Punjab and Haryana improved moisture reserves for wheat planting. Pakistan's crop area was mostly dry.


SOUTH ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
OCT 5 - 11, 1986
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

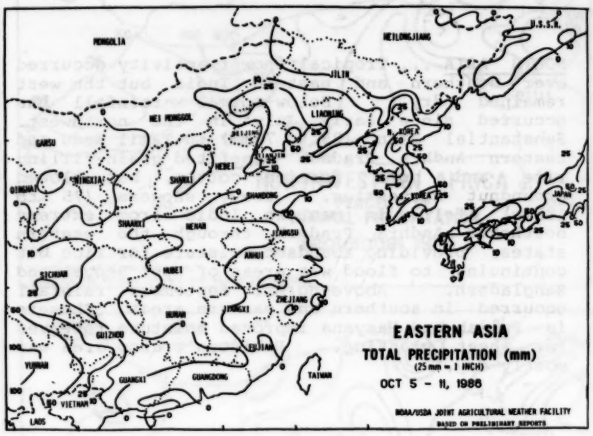

SOUTH ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
September 1986
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

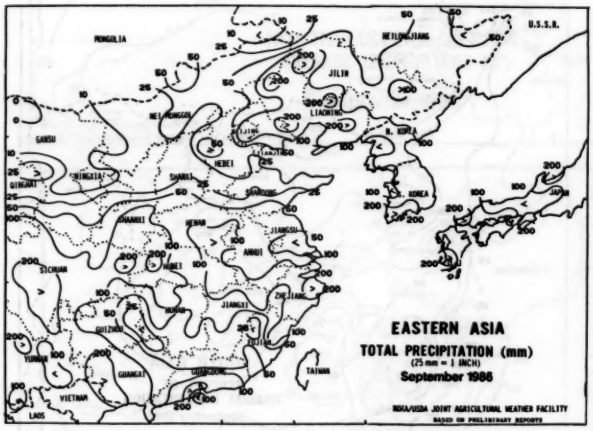


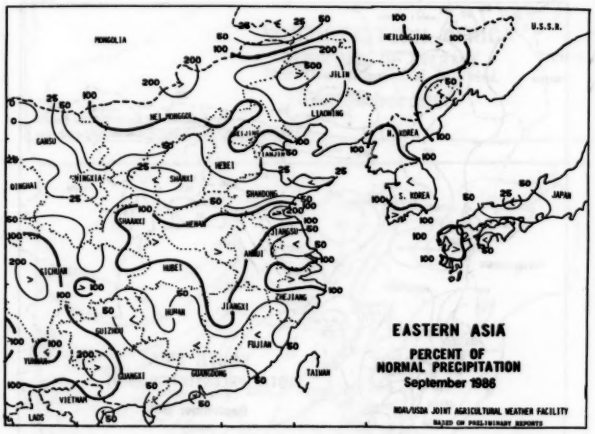

SOUTH ASIA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
September 1986
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY

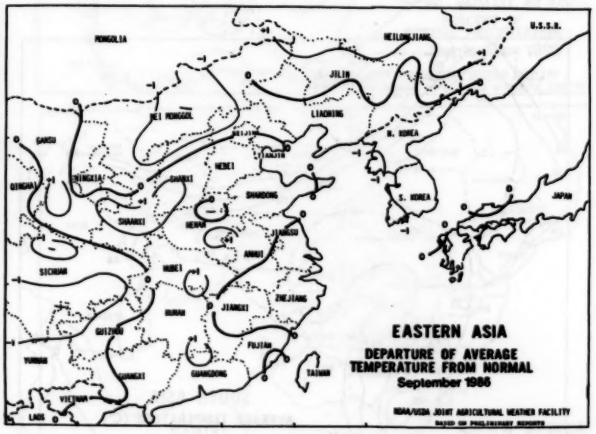


EASTERN ASIA ... Dry weather continued over the North China Plain, aiding cotton harvesting and winter wheat planting. Mostly dry September weather in Shaanxi, Shanxi, Hebei, and Shandong favored summer crop maturation and harvesting. Rain is needed throughout the North China Plain for winter wheat emergence and autumn growth. Above-normal September precipitation in the Manchurian Valley slowed summer crop harvesting, especially in western Jilin and Liaoning. Above-normal September rain in eastern Hubei, Anhui, and northern Zhejiang benefited late double cropped rice and single cropped rice in the filling stage. However, dry weather since September in Guangxi, Hunan, Guangdong, and Fujian stressed nonirrigated late double cropped rice.

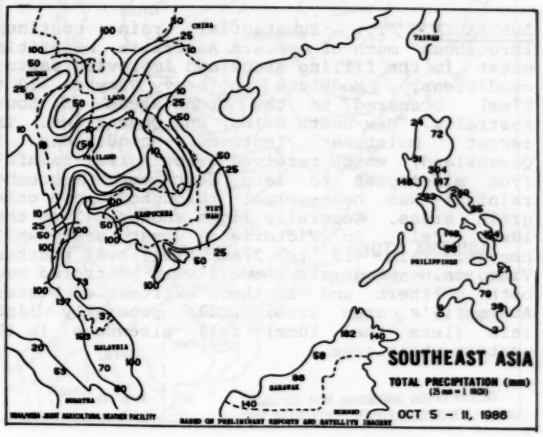

EASTERN ASIA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
OCT 5 - 11, 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS

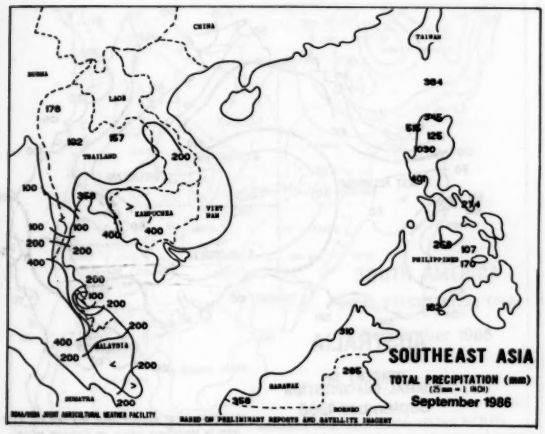


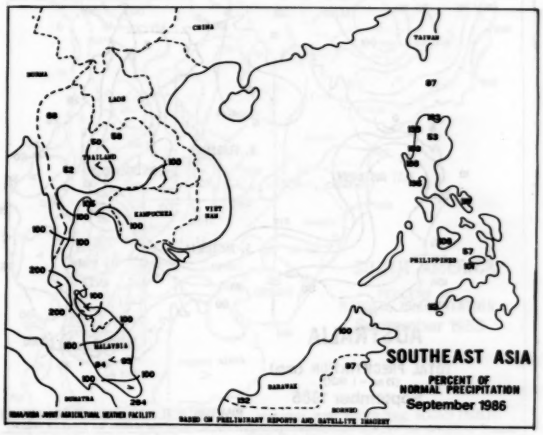


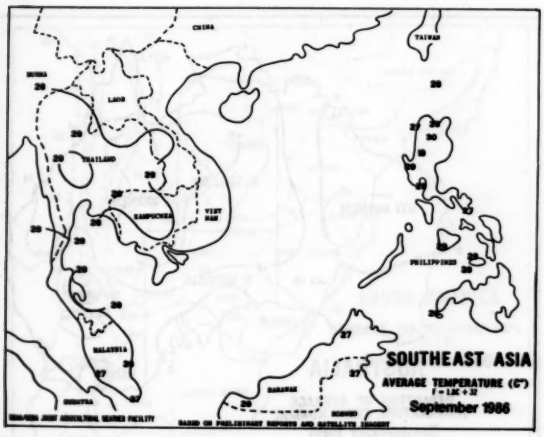


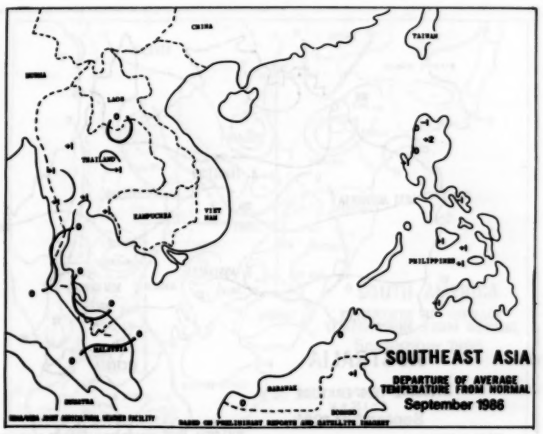
SOUTHEAST ASIA ... Locally heavy rain (50 to over 100mm) was scattered throughout the region. Substantial showers in northern portions of Thailand and Laos benefited upland rice and reservoirs. Tropical Storm Dom produced locally heavy rain along Vietnam's central coast. Widespread, moderate to heavy tropical showers (25 to over 200mm) covered the Philippines, reflecting September's wet pattern. Weekly rainfall averaged 200 to over 400mm in southern Luzon which has received heavy rainfall since mid-June. While eastern Thailand was dry during the week, heavy tropical showers (50 to over 200mm) fell over southern Thailand and Malaysia where September rainfall was above normal. September rainfall was mostly below normal throughout the remainder of Southeast Asia.



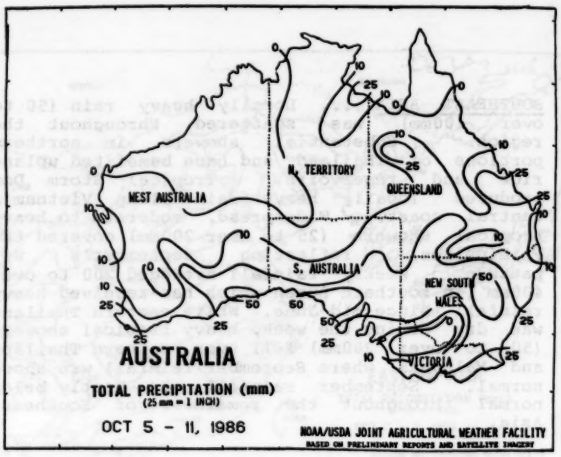


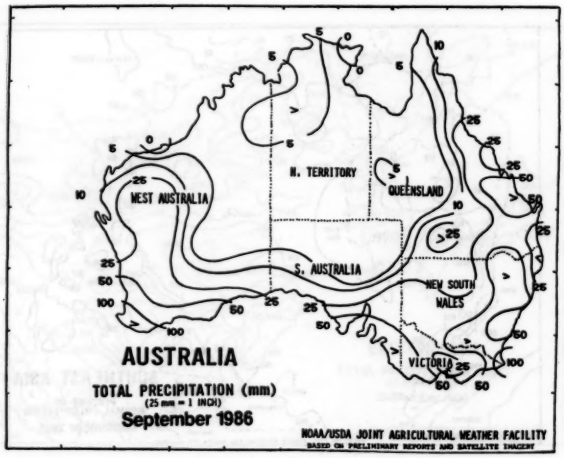


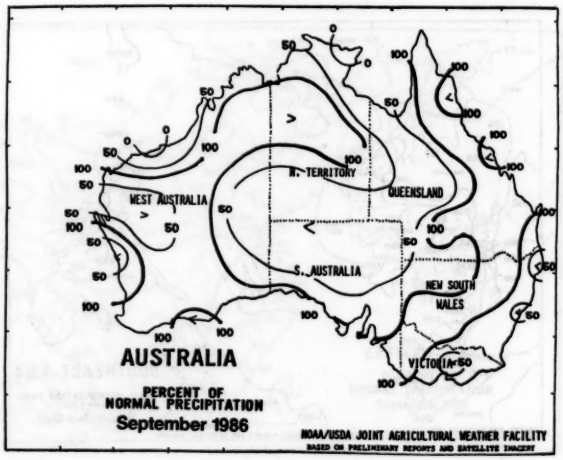


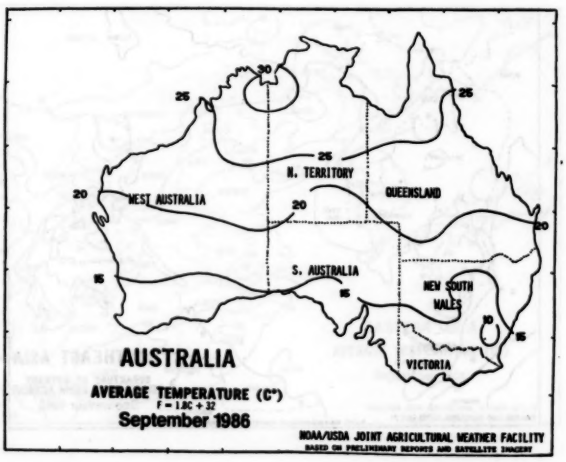


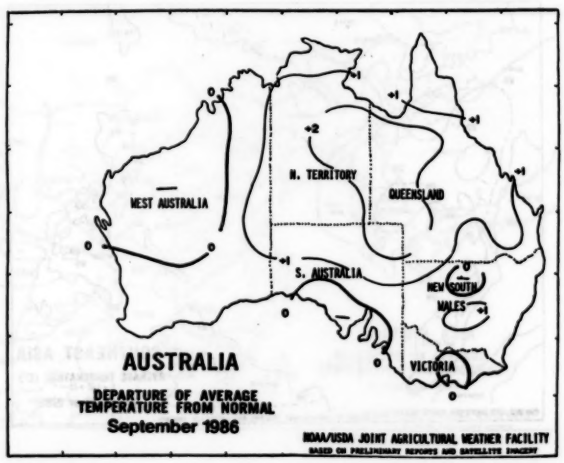
AUSTRALIA ... Substantial rain continued throughout much of eastern Australia, benefiting wheat in the filling stage and improving pasture conditions. Moderate to heavy showers (10 to 57mm) occurred in the crop areas of South Australia, New South Wales, and Queensland. The recent moisture improved conditions in Queensland, which received below-normal rainfall from mid-August to late September. September rainfall was near-normal throughout most other grain areas. Generally light showers (less than 10mm) fell in Victoria's wheat area while heavier rain (10 to 27mm) fell over southern Victoria. Moderate showers were scattered over both northern and southern extremes of Western Australia's crop area, while generally light rain (less than 10mm) fell elsewhere in the western wheat area.



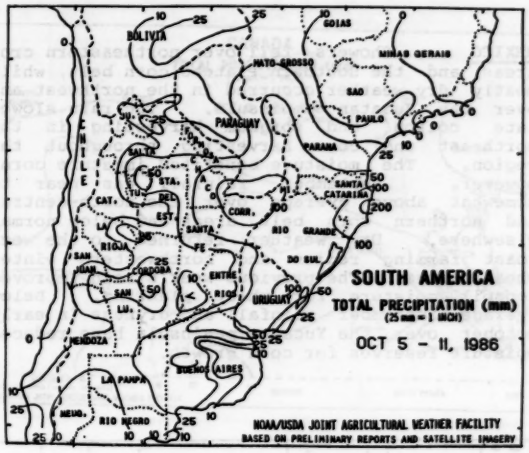




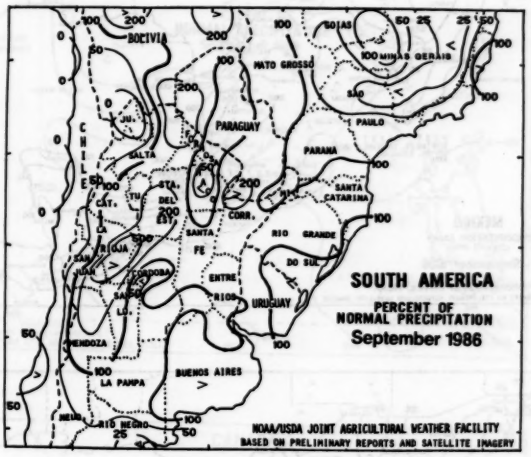


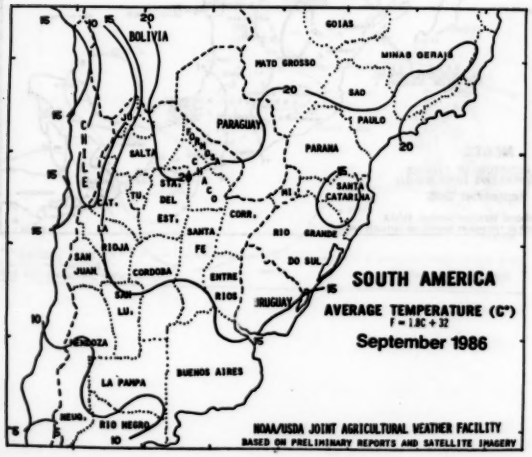


SOUTH AMERICA ... Substantial rain fell over most crop areas of Argentina and southern Brazil, while dry weather returned to Brazil's northern soybean and coffee areas. In Argentina, weekly rainfall averaged 25 to over 75mm in western Buenos Aires, eastern La Pampa, most of Cordoba, and northern summer crop areas providing abundant moisture for wheat development and summer crop planting. The locally heavy rain delayed fieldwork but drier weather occurred by week's end. Lighter rain fell in southern Santa Fe, but moisture is adequate for crops. In Brazil, heavy showers (50 to over 100mm) occurred over Rio Grande do Sul, Santa Catarina, southern Parana, and extreme southern Mato Grosso do Sul. Moisture is adequate to abundant in the south for corn, soybean, and other summer crop planting. Dry weather returned to northern soybean and coffee areas where moisture is limited due to only sporadic rainfall in recent months.

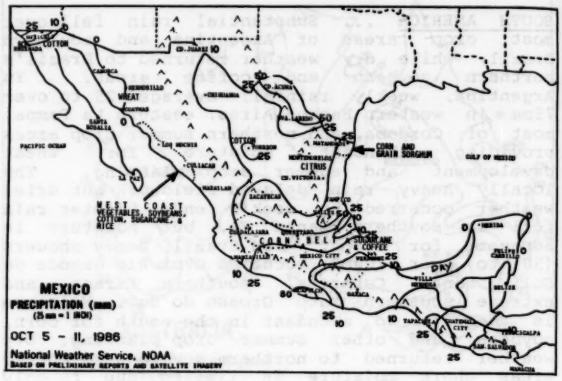

SOUTH AMERICA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
OCT 5 - 11, 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

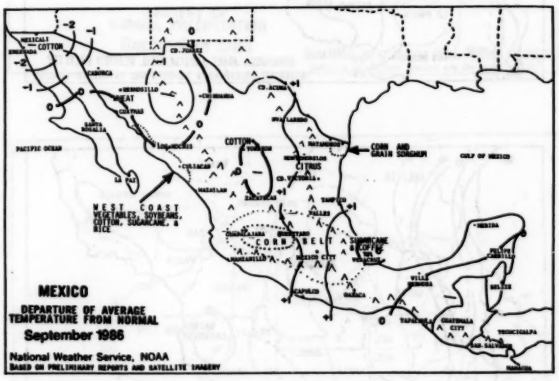
SOUTH AMERICA
TOTAL PRECIPITATION (mm)
(25 mm = 1 INCH)
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY



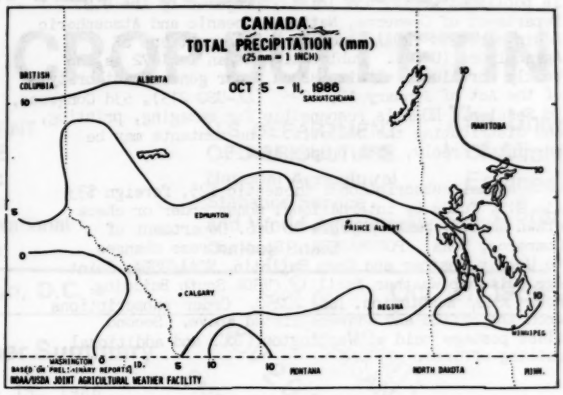

SOUTH AMERICA
AVERAGE TEMPERATURE (C°)
F = 1.8C + 32
September 1986
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

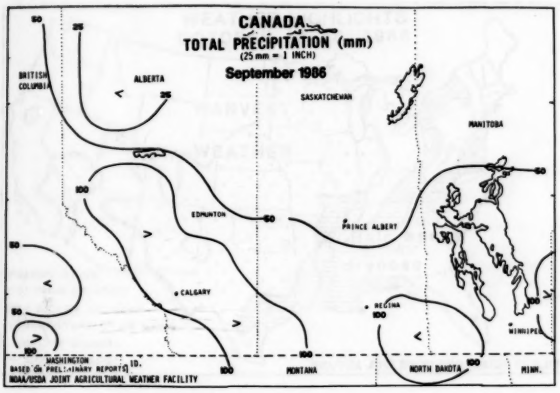
MEXICO ... Showers fell over northeastern crop areas and the Southern Plateau corn belt, while mostly dry weather occurred in the northwest and over the Yucatan peninsula. The rain slowed late cotton and sorghum harvesting in the northeast and corn harvesting throughout the region. The moisture benefited immature corn, however. September rainfall was near to somewhat above average over the north-central and northern corn belt areas and below normal elsewhere. Dry weather returned to the west coast farming region and northwestern winter wheat areas. The previous week's rain improved topsoil moisture for wheat planting. Below average September rainfall and dryness in early October over the Yucatan peninsula have reduced moisture reserves for corn growth.

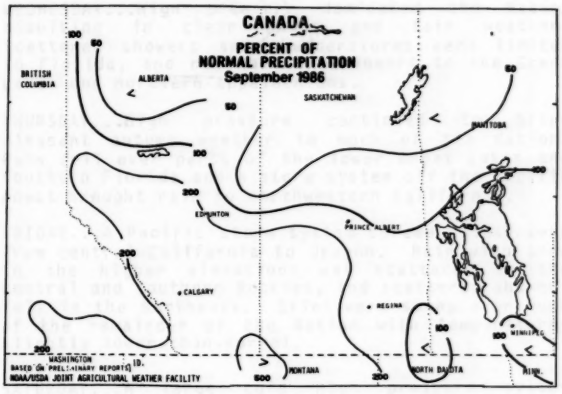

MEXICO
PRECIPITATION (mm)
(25 mm = 1 INCH)
OCT 5 - 11, 1986
National Weather Service, NOAA
BASED ON PRELIMINARY REPORTS AND SATELLITE IMAGERY

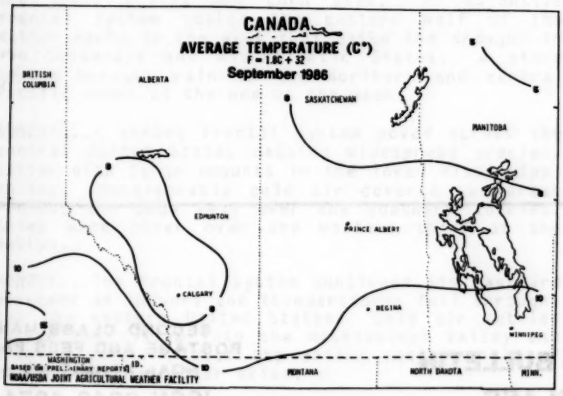


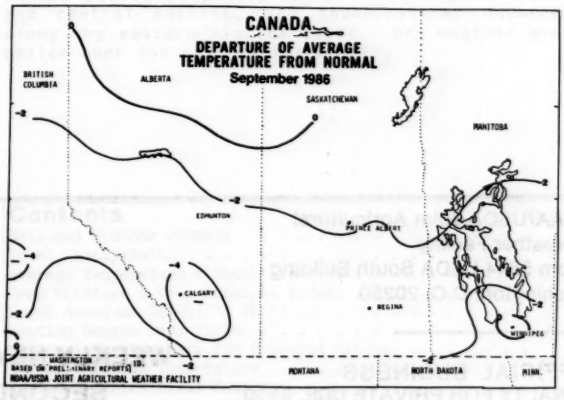
CANADA ... Light precipitation and cold weather maintained unfavorable harvest conditions throughout the Prairie grain belt. Rain and some snow generally produced less than 10mm, with weekly temperatures averaging 2 to 5 degrees below normal in Saskatchewan and Manitoba and near normal in Alberta. Extreme minimum temperatures ranged from -3 to -7 degrees C in the grain belt. September's above-normal precipitation and below-normal temperatures throughout the region caused widespread harvest delays and brought the harvest to a standstill in many areas. Harvesting has now fallen behind both last year's pace and the recent 5-year average. Crop quality continued to decline due to persistent wetness inducing grain sprouting.











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